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BRITISH COLUMBIA UTILITIES COMMISSION

Vancouver, B.C.
April 28, 1989

To The Lieutenant Governor in Council

MAY IT PLEASE YOUR HONOUR :

We respectfully submit this report on the activities of the British Columbia Utilities Commission for the calendar year 1988.

BRITISH COLUMBIA UTILITIES COMMISSION

J.G. McINTYRE, Chairman

J.D.V. NEWLANDS, Deputy Chairman

N. MARTIN, Commissioner

W.M. SWANSON, Q.C., Commissioner

FOURTH FLOOR, 800 SMITHE STREET, VANCOUVER, B.C. V6Z 2E1 CANADA
TELEPHONE: (604) 660-4700, TELEX: 04-54536, RAPICOM: 120 (604) 660-1102

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INTRODUCTION

In January 1988, in response to market changes and in recognition of anticipated challenges the Commission undertook a review of its structure and procedures. The Commission wished to be a positive force in an environment of change so as to respond effectively to the needs of both the regulated utilities and their customers.

Procedurally, the Commission was affected by the accelerated move to competitive energy markets. For example, local distribution utilities with non-captive customers located close to the Westcoast Energy Inc. (formerly Westcoast Transmission Company Limited) natural gas transmission line have had to alter their rate structures to provide competitive rates to many large industrial customers. These adjustments have resulted in a shift from large industrial customers' sales rates to transportation service.

The Commission also dealt with by-pass applications made by industrial customers wishing to build pipeline facilities to connect directly to the Westcoast line. The recommendation of the Commission, following a hearing into the "Northwood" case in October 1987, which was endorsed by the British Columbia Government, has become a fundamental aspect of rate determination in B.C. and, to some extent, throughout Canada.

The Free Trade Agreement between Canada and the United States which was approved by both governments in 1988, identified energy as a fundamental factor in its terms. The development of a North American energy market will result in both opportunities as well as risks for the participants in the competitive energy markets within British Columbia. These factors and others have had substantial impacts on every utility in the province.

The Commission adopted changes to its own internal procedures and staff alignments to better respond to the new policies and market developments.

The Commission employs professional people with expertise in engineering, accounting, finance and the economics of regulation. The staff of 22, along with four full-time Commissioners and four temporary Commissioners handled regulatory matters relating to 22 utilities and pipelines which, collectively, provided service to more than two million customers. In addition to public hearings, the Commission met on a weekly basis, as well as other times, as required, to consider ongoing utility/customer issues.

Amendments affecting the Commission were approved by the Legislature during 1988 (Utilities Commission Amendment Act, Bill 46-1988). Most notably, changes were instituted which required the Commission to review the gas supply arrangements of utilities and direct sale customers. With the development of a Core Market Policy on Natural Gas, the Commission was expected to review future gas supply contracts to insure that adequate long-term supplies were under contract, with sufficient deliverability to meet peak requirements, while also insuring that the public would receive gas at competitive prices.

The Commission became self-funding on April 1, 1988. B.C. Regulation 283/88, passed by Order-in-Council No. 1407, dated July 28, 1988 pursuant to Section 140 of the Utilities Commission Act authorized the Commission to recover its expenses arising in the fiscal year that commenced on April 1, 1988, out of the administration of the Act, to fix and collect levies from public utilities (Appendix VIII) and other persons. The move to self-funding committed the Commission to review closely

its own costs and efficiency. This on-going review entailed evaluation of not only in-house costs, but also the cost of public hearings and legal services. As a result, Commission overhead costs were substantially reduced.

The Commission made every effort during 1988 to avoid long delays in the initiation of hearings. Restructuring and internal efficiencies have significantly shortened the decision-making process. A number of actions were taken to further improve the hearing process, namely, prehearing conferences to "focus" or "scope" the issues, the provision of "executive summaries" by applicants to assist the public in understanding the issues, and the establishment of a public resources room at public hearings.

The review and the resultant changes made in 1988 reinforced the Commission's intent to be an objective, responsive and a positive force in the regulation of energy utilities in British Columbia.

PETROLEUM

The year 1988 saw a continuation of the government's moves towards deregulation of the petroleum producing industry. This activity has been ongoing since the Legislature approved the Natural Gas Price Act in June 1986. The Legislature approved Bill 46, the Utilities Commission Amendment Act, 1988. As a result Section 85.3 of the Utilities Commission Act ("UCA") now requires that all customers or utilities entering into energy supply contracts file such contracts with the Commission under Rules and within the time specified by the Commission. The Commission issued Rules for the contracting of natural gas in British Columbia in August 1988. The intent of the Rules was to ensure that contracted natural gas was available in sufficient quantities to ensure supply to all customers. The Rules respecting volumes under

contract, deliverability and duration of contracts vary depending on whether the natural gas is for industrial purposes or for purposes such as residential or institutional space heating which require greater security of supply. In the particular case of gas utility customers, the Commission must also ensure that gas purchased by utilities is at competitive prices.

A major shift in the ownership of natural gas utilities in British Columbia occurred when B.C. Hydro and Power Authority sold its natural gas division in the Lower Mainland to Inland Natural Gas Co. Ltd. Inland made known its intention to amalgamate its natural gas utilities under the name of BC Gas Inc. during 1989.

Pacific Northern Gas Ltd., a utility providing service to communities in North Central B.C., undertook a pipeline looping program on its main pipeline in the summer of 1988. This was done for reasons of system security as the area involved had been subject to heavy flooding and resulting pipeline damage over the years. The cost of that project was $4 million.

ICG Utilities (British Columbia) Ltd. provides both natural gas and propane service to a variety of communities in the Province. At year end, the utility had applied to purchase the Victoria propane-air distribution system from B.C. Hydro and was applying to the Provincial Government for distribution rights for Vancouver Island and coastal communities in expectation of a natural gas pipeline project being completed by 1990.

In September 1988 the Federal and Provincial Governments announced an agreement in principle to fund the construction of the Vancouver Island Gas Pipeline. Pacific Coast Energy Corporation ("PCEC"), a subsidiary

of Westcoast Energy Inc. and Alberta Energy Company, was chosen to be the transmission company to deliver natural gas from the Lower Mainland via the Sunshine Coast and Texada Island to Powell River and Vancouver Island. This major energy project was referred to the Commission for hearing in December 1988. The Commission issued an Order which directed that the hearing of the PCEC Application would commence on January 24, 1989.

ELECTRICITY

Bill 46, the Utilities Commission Amendment Act, 1988 ("UCAA") included several new provisions intended to encourage and foster entrepreneurial initiatives in the electric energy production sector. Essentially this amendment has set the framework for promotion of partial deregulation of the electricity generation industry. Section 85.2 of the UCAA gave the Commission the authority to require public utilities to "wheel" power for non-utility producers. Section 85.3 of the UCAA provided the opportunity for buyers and sellers of power to execute contracts that would require wheeling by a public utility. The intent of the Provincial Government was to create a climate whereby Independent Power Producers ("IPP's") were encouraged to develop new electricity resources in the province, and have the facility to market this power to end-users. In late 1988, B.C. Hydro issued Requests for Proposals inviting prospective IPP's to bid on blocks of firm power for use by the utility.

During the year, B.C. Hydro established a new subsidiary called British Columbia Power Export Corporation ("Powerex") to assume full responsibility for marketing its surplus power.

The West Kootenay Power Ltd. ("WKP") 1987 Application for an Energy Project Certificate to construct a gas turbine electrical generating plant in the Okanagan was referred to the Commission and scheduled for review in a public hearing in April 1988. At that time, the preferred site for the project was in Kelowna. The site was subsequently changed to Oliver, in the South Okanagan, necessitating a deferral in the start of the hearing until November 1988. At year-end the hearing (in Oliver) was still in progress.

In May 1988, the Commission granted B.C. Hydro a Certificate of Public Convenience and Necessity for the construction and operation of a 138 kilovolt transmission line from Aiyansh Substation to the Village of Stewart. This $21 million project, which was under construction at year-end, would put Stewart on B.C. Hydro's integrated system. The in-service date was targeted for November 1, 1989. The Commission receives monthly progress reports and the project is currently estimated for completion at less than budget.

In April 1988, pursuant to an Application made to the Commission, Yoho Power Ltd. ("Yoho") in Field, B.C. was granted a Certificate of Public Convenience and Necessity to provide an electricity service within Yoho National Park. An Application by Yoho for a second Certificate of Public Convenience and Necessity to construct a 24-kilometre grid connection between Field and TransAlta Utilities Corporation ("TransAlta") system at Lake Louise was heard in a public hearing before a division of the Commission in May 1988. The Commission denied this Application after evaluation of the evidence presented at the hearing.

During 1988 an electrical extension to Woss, B.C. was completed by B.C. Hydro to integrate that community into Hydro's main electric grid. This extension was made possible, in part, by contributions from Canadian

Forest Products Ltd. and B.C. Hydro. An Application for similar service was received from the District of Mount Waddington for service to Winter Harbour. A hearing was convened on November 29, 1988. The hearing adjourned on November 30, 1988 to allow the parties time to settle the issues by negotiation.

TELECOMMUNICATIONS

Acting on a request by the Provincial Government's Minister responsible for Telecommunications, the Honourable Elwood Veitch, the Minister of Regional Development and Minister of State for Mainland/Southwest, the Utilities Commission was B.C.'s representative on a Federal/Provincial/Territorial taskforce that carried out an examination ("MTS Study") of competition in public long-distance telephone service.

Guided by the Terms of Reference provided to the taskforce by the Ministers responsible for telecommunications in 13 jurisdictions, a comprehensive report was produced based on the information gathered and analyses produced. The report, together with copies of studies on selected matters that were commissioned by the taskforce, was transmitted to the respective Ministers at the end of 1988.

APPENDIX I

REGULATED PUBLIC UTILITIES LOCATED IN BRITISH COLUMBIA

UTILITY	HEAD OFFICE	SERVICE AREA
Crown-Owned Electric Utility		
British Columbia Hydro and Power Authority	970 Burrard St. Vancouver, B.C. V6Z 1Y3	Province of B.C. (except areas served by the following utilities)
Municipally-Owned Electric Utilities*		
City of Grand Forks	Box 220 Grand Forks, B.C. V0H 1H0	Grand Forks
City of Kelowna	1435 Water St. Kelowna, B.C. V1Y 1J4	Kelowna area
City of Nelson	502 Vernon St. Nelson, B.C. V1L 4E8	Nelson area
City of New Westminster	511 Royal Avenue New Westminster, B.C. V3L 1H9	New Westminster
City of Penticton	616 Okanagan Avenue East Penticton, B.C. V2A 3K6	Penticton area
District of Summerland	Box 159 Summerland, B.C. V0H 1Z0	Garnet Valley

* Only service outside Municipal Boundaries is subject to regulation by the British Columbia Utilities Commission.

Investor-Owned Electric Utilities

Hemlock Valley Electrical Services Limited	Box 7, Site 2 R.R. #1 Agassiz, B.C. V0M 1A0	Hemlock Valley
Princeton Light and Power Company, Limited	Box 700 Princeton, B.C. V0X 1W0	Princeton area,
West Kootenay Power Ltd.	Waneta Plaza 8100 Rock Island Highway Trail, B.C. V1R 4N7	West Kootenay, and Okanagan areas of B.C.
Yoho Power Ltd.	Suite 800 1176 W. Georgia St. Vancouver, B.C. V6E 4A2	Field
Yukon Electric Co. Ltd.	Box 4190 Whitehorse, Yukon Territories Y1A 3T4	Lower Post

Crown-Owned Propane Gas Utility

British Columbia Hydro and Power Authority	970 Burrard St. Vancouver, B.C. V6Z 1Y3	Victoria

Investor-Owned Natural Gas Utilities

BC Gas Inc.	P.O. Box 12503 1066 West Hastings St. Vancouver, B.C. V6E 3G3	Lower Mainland

Investor-Owned Natural Gas Utilities (Cont'd)

Columbia Natural Gas Limited	P.O. Box 12503 1066 West Hastings St. Vancouver, B.C. V6E 3G3	East Kootenay
Fort Nelson Gas Ltd.	P.O. Box 12503 1066 West Hastings St. Vancouver, B.C. V6E 3G3	Fort Nelson area
ICG Utilities (British Columbia) Ltd.	#1 - 256 Wallace St. Nanaimo, B.C. V9R 5B3	Fort St. John area
Inland Natural Gas Co. Ltd.	P.O. Box 12503 1066 West Hastings St. Vancouver, B.C. V6E 3G3	Okanagan, Central and Northern Interior
Northland Utilities (B.C.) Limited	10035-105th St. Edmonton, Alberta T5J 2S3	Dawson Creek, Rolla, Pouce Coupe, and Tumbler Ridge
Pacific Northern Gas Ltd.	Suite 1400 1185 West Georgia St. Vancouver, B.C. V6E 4E6	Summit Lake to Prince Rupert and Kitimat

Investor-Owned Propane Gas Utilities

ICG Utilities (British Columbia) Ltd.	#1 - 256 Wallace St. Nanaimo, B.C. V9R 5B3	Nanaimo, Whistler, Port Alice
Squamish Gas Co. Ltd.	P.O. Box 12503 1066 W. Hastings St. Vancouver, B.C. V6E 3G3	Squamish, Granisle

Investor-Owned Steam Heat Utility

Central Heat Distribution Limited	720 Beatty St. Vancouver, B.C. V6B 2M1	Vancouver

Municipally-Owned Telephone Utility*

City of Prince Rupert	424 West 3rd Ave. Prince Rupert, B.C. V8J 1L7	Prince Rupert area

* Only service outside Municipal Boundaries is subject to regulation by the British Columbia Utilities Commission.

APPENDIX II

APPLICATIONS HEARD AND DECISIONS ISSUED IN 1988

Central Heat Distribution Limited
(February 22, 1988)

An Application by Central Heat Distribution Limited dated November 26, 1987 for authorization to amend its filed Basic Steam Tariff in order to increase the rates charged to its customers by an average of 3.7% effective January 1, 1988 was heard in public in Vancouver, British Columbia on Tuesday, February 9, 1988. The Applicant sought both interim and permanent relief.

The Commission, by Order No. G-89-87 dated December 22, 1987, approved an interim increase of 3.7% effective January 1, 1988 subject to refund with interest.

The Commission considered the Application and the evidence adduced at the hearing and ordered as follows:

1. The Rate Base and Earned Return for the 1988 Test Year are as set out in Schedules 1 and 2 of the Decision.

2. The interim increase of 3.7% to the Basic Steam Tariff effective January 1, 1988 is confirmed.

3. The Commission will accept for timely filing, a revision to the Basic Steam Tariff BCUC No. 1 Rate Schedule confirming as permanent a 3.7% increase in rates, effective January 1, 1988.

Columbia Natural Gas Limited and Fording Coal Ltd.
(May 17, 1988)

A hearing was held in Cranbrook for four days commencing February 23, 1988 and was concluded in Vancouver with three days of hearing commencing on March 4, 1988 regarding a Rate Design Application by Columbia Natural Gas Limited ("Columbia") and a complaint by Fording Coal Ltd. ("Fording") that the rates charged to Fording were unjust, unreasonable and unduly discriminatory. Final argument was held in Vancouver on March 10, 1988.

The background to the Columbia Application spans two years since the first government announcement that a competitive market for natural gas sales would develop in British Columbia. Prior to the summer of 1985, all natural gas producers in British Columbia sold their gas to the British Columbia Petroleum Corporation ("BCPC"). BCPC in turn resold gas to Westcoast Transmission Company Limited ("Westcoast") for delivery to all distribution utilities in British Columbia, except for Columbia and for export to the United States. Since 1979, but prior to 1986, Columbia Natural Gas bought about three-quarters of its gas supply from Alberta sources, the bulk from Alberta and Southern Gas and a small amount from Westcoast Transmission via a connection to the Alberta Natural Gas ("ANG") transmission pipeline. Columbia purchased the remainder from B.C. sources and its parent company, Inland Natural Gas Co. Ltd.

On March 28, 1985, the Governments of Canada, British Columbia, Alberta and Saskatchewan entered into an Agreement known as the Western Accord which initiated a process of replacing government-set prices of oil and natural gas with prices set by the market. Sweeping

Columbia Natural Gas Limited and Fording Coal Ltd.
(continued)

changes to the marketing system for natural gas within British Columbia followed, along with a new royalty system and authorization for producers to sell their natural gas to customers other than BCPC.

On October 31, 1985, an agreement was struck between the Governments of Canada, British Columbia, Alberta and Saskatchewan on Natural Gas Markets and Prices. This Agreement reinforced the earlier provincial initiatives by signalling the governments' intent that immediate steps be taken to enable consumers to enter into supply arrangements with producers at negotiated prices. The agreement fosters a competitive market for natural gas in Canada.

Until 1985, gas supplied to the Columbia system from Alberta was subject to the Alberta Border Price.[1] The Federal/Provincial Agreement provided for the elimination of the Alberta Border Price which had been Columbia's impediment to obtaining lower priced gas.

Columbia could not offer transportation service as contained in the Federal/Provincial Agreement since all firm capacity in the ANG system was fully contracted. However, "buy/sell"[2] agreements which are tantamount to direct purchases were offered through the cooperation of Columbia, ANG and Alberta and Southern.

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1 **Alberta Border Price** - A minimum price set by the Alberta Government for natural gas existing in that Province.

2 **Buy/Sell Agreements** - The utility buys gas from the end-user at the wellhead and resells the gas to the end-user at the end-users' premises. Many contract variations exist.

Columbia Natural Gas Limited and Fording Coal Ltd.
(continued)

Columbia submitted that in spite of a significant reduction in the commodity price and resultant burner-tip prices for all customers since its original application, there was still urgent need for a revision to its rates to bring industrial rates more into line with their costs of service.

Fording complained that because it paid more per gigajoule for its gas than other industrial customers, it was being discriminated against. The history of the Fording complaint is complex. It was initially filed on June 20, 1984, alleging that the rates charged to Fording were unjust, unreasonable and unduly discriminatory. The Commission conducted a public hearing into this allegation commencing September 25, 1984 and issued Order No. G-36-84 on November 30, 1984 dismissing the complaint. In the same Order, the Commission ordered Columbia to prepare a cost of service study.

Columbia completed a cost of service study which was filed with the Commission in early 1985. After review, the Commission issued Order No. G-28-85 on April 2, 1985 in which it confirmed the interim rates then in effect for Westar-Greenhills until a hearing could be conducted into Columbia's overall rate design, including the Fording complaint.

Fording argued that the April 2, 1985 Decision amounted to a reconsideration of the November 30, 1984 Decision pursuant to Section 114 of the Act. Accordingly, Fording submitted that it was open to the Commission to uphold the original Fording complaint and make an Order retroactive to June 20, 1984 issuing Fording a refund. Fording alleged that Westar-Greenhills' was receiving a subsidy since their actual per gigajoule cost of gas was less than that of Fording. Fording argued that,

Columbia Natural Gas Limited and Fording Coal Ltd.
(continued)

> "The correct measure of the overpayment by Fording is the difference between the per gigajoule rates between Fording and Greenhills, multiplied by the actual volume of gas consumed by Fording since Greenhills went into operation."

The Commission considered the Application by Columbia and the evidence adduced thereon during a public hearing in Vancouver and by Order No. G-51-88 ordered as follows:

1. Columbia is to file Rate Schedules to be effective June 1, 1988 and June 1, 1989 in conformity with the Decision .
2. The Interim rates of Columbia currently in effect are confirmed.
3. All aspects of the Fording Complaint are dismissed.
4. The Application of Columbia to include a purchase gas adjustment clause in its tariff schedule is dismissed.
5. Columbia is to file reports as specified.

Yoho Power Ltd.
(June 24, 1988)

On April 18, 1988, the Commission issued Order No. G-36-88, ordering a public hearing to commence on May 19, 1988 in the Mt. Steven Centennial Community Centre, Field, B.C. to hear an Application by Yoho Power Ltd. ("Yoho") dated May 6, 1988 for a Certificate of Public Convenience and Necessity to construct and operate a 24 km, 25 kV powerline from TransAlta Utilities' ("TransAlta") system at Lake Louise, Alberta to the community of Field, British Columbia. In addition to this Application, the Applicant also sought amendments to its existing rate structure.

Yoho Power Ltd.
(continued)

On November 5, 1987 Yoho acquired the assets of the diesel electrical generating system in Field, British Columbia (150 customers) from the Northern Canada Power Commission ("NCPC"). Yoho is a wholly-owned subsidiary of Synex Energy Resources Ltd. ("SERL" or "Synex") which in turn is a wholly-owned subsidiary of Synex International Inc., a public company listed on both the Toronto and Vancouver Stock Exchanges. The Franchise Agreement executed on October 30, 1987 between Parks Canada and Yoho for the provision of electrical service to Field was for an initial period of 21 years.

Pursuant to Commission Order No. C-1-88 dated April 14, 1988, Yoho was granted a Certificate of Public Convenience and Necessity for the provision of electric service in Yoho National Park.

The existing power system comprises a diesel generation plant and approximately nine circuit-kilometers of 2400 volt, three-phase, three-wire (delta), wood-pole distribution system. The diesel generation plant has an installed capacity of 750 kW provided by four diesel engines which have been in service from 20 to 29 years.

The existing tariff in Field for residential and commercial service for basic-charge/energy-charge is $5.22/21.55¢/kW h and $20.86/29.44¢/kW.h respectively, which is approximately 400 percent higher than adjacent rates in adjacent communities in British Columbia and Alberta. Residential and some commercial customers are receiving a subsidy of 14.05¢/kW.h from the British Columbia Hydro and Power Authority ("B.C. Hydro") which reduces the effective residential rate for the first 550 kW.h to 7.5¢/kW.h. This subsidy does not apply to Government of Canada accounts.

Yoho Power Ltd.
(continued)

The Commission considered the Application and evidence provided by the Applicant and the Intervenors. On the basis of the evidence the Commission rejected the Application.

The Commission believes the following must also be resolved before a Certificate could be issued:

1. Formal approval from Parks Canada that the project (through Yoho National Park) can proceed.

2. Definitive construction costs.

3. An actual capital structure for Yoho which is composed of both fixed rate debt and equity.

4. Contract with West Louise Lodge for provision of electrical service for at least five years and similar contracts with Parks Canada and the Canadian Pacific Railway.

5. Definitive plan for the provision of emergency service and the costs thereof and other normal service which Yoho did not propose to provide.

6. The provision of a subsidy to either Yoho or TransAlta Utilities for the construction of the transmission line from Lake Louise to the Alberta/British Columbia border and, thence, to Field in order to provide reasonable rates. An alternative which Yoho may wish to consider would be the construction and operation of the transmission line by TransAlta Utilities or a subsidiary thereof.

7. A definitive plan for upgrading the existing distribution facilities in Field.

The Commission accepted generally the Terms and Conditions of Service proposed by the Applicant but believed that the rate structure in effect since 1983 should remain, adjusted only to reflect a uniform rate for the

Yoho Power Ltd.
(continued)

industrials and the revised rates for Municipal Street Lighting. This rate structure is then adjusted to reflect the revenue requirements determined in the Decision. In addition, the Commission believed the following changes in the proposed Terms and Conditions were required.

1. Security Deposits

   Interest should be credited annually to the customer's account.

2. Metering

   The Commission considered the proposed meter removal charge of $50 and was of the view that this charge should be reduced to $25, the same rate charged by B.C. Hydro and West Kootenay Power and Light Company, Limited.

The Commission considered the proposed extension policy and was of the view that additional work was required especially with regard to the formula which under certain assumptions appeared to require a negative contribution from new customers. The Applicant was directed to review the proposal with Commission staff and submit a revised proposal.

Commission Order No. G-62-88 was issued concurrently with this Decision.

Northland Utilities (B.C.) Limited
Tumbler Ridge Division
(August 31, 1988)

Northland Utilities (B.C.) Limited ("Northland") applied May 24, 1988 to amend its filed Gas Tariff Rate Schedules for its Tumbler Ridge Division to incorporate an interim decrease in rates to all customers effective

Northland Utilities (B.C.) Limited
Tumbler Ridge Division
(continued)

June 1, 1988. The Application was heard at a public hearing on July 26, 1988 in Tumbler Ridge, B.C. pursuant to Commission Order No. G-59-88.

Northland was contacted by representatives of the Commission and the Ministry of Energy, Mines and Petroleum Resources to discuss a possible solution to the high cost of providing natural gas service to Tumbler Ridge. On May 4, 1988, representatives of the District of Tumbler Ridge, Quintette Coal, Northland, the Ministry and the Commission met to discuss the proposed solution. At that meeting agreement was reached whereby:

1. Quintette and the District would relieve Northland of its obligation to refund their $1.2 million loan;

2. Northland would forego recovery of its accumulated shortfall of approximately $1.7 million; and

3. The provincial government would provide a contribution equal to the net book value of the processing plant at June 1, 1988 approximately equal to $1.8 million.

Northland subsequently submitted a rate Application based on the foregoing agreement which reduced the Tumbler Ridge tariff from $5.924/GJ to $4.526/GJ (a decrease of $1.398/GJ). The Commission, by Order No. G-56-88 dated May 26, 1988, accepted the filed tariff on an interim basis effective June 1, 1988 and set down the Application for hearing on July 12, 1988.

Order No. G-59-88 dated June 7, 1988 changed the hearing date to commence on July 26, 1988.

Northland Utilities (B.C.) Limited
Tumbler Ridge Division
(continued)

The Commission accepted the Applicant's rate application with a few minor adjustments to the financial schedules. The 1988 Cost of Service was reduced from $23,000 to $10,000 for rate hearing costs and a change in the addition to Reserve for Injuries and Damages from $25,000 to $10,000. The requested rate of return on equity of 15 percent was accepted. All of these adjustments were reflected in the appended schedules and the new firm rates.

The effective general service rate at Tumbler Ridge was set at approximately $4.43/GJ, effective September 1, 1988. Subject to timely presentation, the Commission undertook to accept for filing the appropriate tariff amendments based on final computations made by Northland. The Commission accepted the interim rate of $4.526/GJ for the period June 1, 1988 to August 31, 1988 as firm.

APPENDIX III

COMMISSION ORDERS ISSUED IN 1988

ORDER NO.

G-1-88 **COLUMBIA NATURAL GAS LIMITED**

ISSUED January 12 **EFFECTIVE January 1**

The Commission approved an application by Columbia dated December 23, 1987 to amend its Gas Tariff Rate Schedules effective January 1, 1988. The amendments reflected changes to Atmospheric Pressure Reduction factors in accordance with revisions in the regulations pursuant to the Electric and Gas Inspection Act of Canada.

G-2-88 **INLAND NATURAL GAS CO. LTD.**

ISSUED January 12 **EFFECTIVE January 1**

The Commission approved Gas Tariff Supplement No. 32 concerning an Agreement dated June 20, 1986 between Inland and British Columbia Buildings Corporation, Logan Lake, B.C.

G-3-88 **INLAND NATURAL GAS CO. LTD.**

ISSUED January 12 **EFFECTIVE January 1**

The Commission approved an application by Inland dated December 23, 1987 to amend the Gas Tariff Rate Schedules effective January 1, 1988. The amendments reflected changes to Atmospheric Pressure Reduction factors in accordance with revisions in the regulations pursuant to the Electric and Gas Inspection Act of Canada.

G-4-88 **INLAND NATURAL GAS CO. LTD.**

ISSUED January 12 **EFFECTIVE January 1**

The Commission approved an application by Inland dated January 7, 1988 and accepted for filing amendments to the Tariff Rate Schedules effective January 1, 1988, and the establishment of certain deferral accounts, resulting from a December 11, 1987 Commission Decision concerning Rate Design and Order No. G-80-87.

ORDER NO.

G-5-88 **INLAND NATURAL GAS CO. LTD.**

ISSUED January 12 **EFFECTIVE January 1**

The Commission approved Gas Tariff amendments for Inland resulting from a November 1987 National Energy Board decision on tolls from its supplier, Westcoast Transmission Company Limited.

G-6-88 **BRITISH COLUMBIA HYDRO AND POWER AUTHORITY**

ISSUED January 13 **EFFECTIVE January 13**

The Commission ordered the Director of Engineering, Mr. W.J. Grant to inquire and report on a complaint dated April 3, 1987 by Coast Pacific Management Inc. on behalf of their client Chatterton Petrochemical Corporation, a customer served by B.C. Hydro Gas Operations.

G-7-88 **BRITISH COLUMBIA HYDRO AND POWER AUTHORITY**

ISSUED January 14 **EFFECTIVE January 14**

The Commission approved amendments to B.C. Hydro, Gas Tariff, Rate Schedules, and the establishment of certain deferral accounts, resulting from a November 1987 National Energy Board Decision on Westcoast Transmission Company, Limited Tolls.

G-8-88 **BRITISH COLUMBIA HYDRO AND POWER AUTHORITY**

ISSUED January 18 **EFFECTIVE January 18**

The Commission varied Clause 1 of Commission Order No. G-58-87 by substituting July 1, 1988 for January 15, 1988.

The Order extended the date by which a formal Application in support of a 14 cents/gigajoule interim increase in natural gas rates was to be submitted.

ORDER NO.

G-9-88 PACIFIC NORTHERN GAS LTD.

ISSUED January 19 EFFECTIVE January 1

PNG applied January 11, 1988 to amend its Gas Tariff Rate Schedules covering rates charged for natural gas service effective January 1, 1988.

The tariff amendments resulted from the National Energy Board Reasons for Decision RH-2-87 concerning the Westcoast Transmission Company, Limited ("Westcoast") Rate Application dated December 19, 1986 for tolls effective January 1, 1988 and from changes in the Gas Commodity Charges, as contained in the November 1, 1982 Gas Sales Agreement between PNG and Westcoast, which became effective November 1, 1987.

1. The Commission approved the rates as filed effective January 1, 1988.

2. The Commission reserved the right to review within 30 days of this Order the appropriate terms and conditions of the new Tariff Rate Schedules 2A, 4A, 5A, 5B and 5C.

G-10-88 INLAND NATURAL GAS CO. LTD.

ISSUED January 25 EFFECTIVE January 1

The Commission approved amendments to Inland's Gas Tariff, Rate Schedule 2 - General Service by allowing the removal of the total connected load restriction contained in the schedule as a result of a December 11, 1987 Commission Decision and Order No. G-80-87 concerning Rate Design.

G-11-88 COLUMBIA NATURAL GAS LIMITED

ISSUED January 28 EFFECTIVE January 28

The Commission approved a variation to Order No. G-86-87 by amending deadline dates for filing written submissions, supplemental material, information requests, information responses and objections to information requests regarding the Columbia Rate Design hearing.

ORDER NO.

G-12-88 ICG UTILITIES (BRITISH COLUMBIA) LTD.

ISSUED January 21 EFFECTIVE As Indicated

The Commission approved the filing of the following tariff matters for ICG Utilities:

1. Amendments to Terms and Conditions that apply to Fort St. John, Nanaimo, Port Alice and Whistler Grid System locations.

2. Revisions to Special Rate Schedules.

3. Cost of product pass-through for the Nanaimo and Whistler Propane Grid System effective January 1, 1988.

4. Filed Tariff Rate Schedule for Whistler Propane Grid System Service effective November 1, 1987 and January 1, 1988.

G-13-88 BRITISH COLUMBIA HYDRO AND POWER AUTHORITY

ISSUED February 11 EFFECTIVE February 11

The Commission approved a February 5, 1988 application to B.C. Hydro's Electric and Gas Tariffs, Terms and Conditions, relating to Customer Service and Collection Systems.

G-14-88 INLAND NATURAL GAS CO. LTD.

ISSUED February 16 EFFECTIVE February 16

Mr. W.J. Grant, Director of Engineering for the Commission was empowered by Section 93 of the Utilities Commission Act to review complaint matters pertaining to transportation rate schedules and transportation service on the Inland system.

The inquiry into complaints respecting transportation service to large industrial service customers on the Inland system took place on January 27, 1988 in Vancouver.

ORDER NO.

G-14-88 **INLAND NATURAL GAS CO. LTD.**
(continued)

Mr. Grant submitted his report to the Commission and was accepted as follows:

1. Approval was granted to the Recommendations contained in the Inquiry into Complaints Respecting Transportation Service to Large Industrial Customers on the Inland system.

2. Inland was ordered to make the required changes to its filed Gas Tariff, Rate Schedules 11, 12, 15, 16, 17, 18, 19, 20, 21 and 22 in accordance with Recommendations contained in the Report and submit the appropriate revisions to the Commission for acceptance and filing no later than March 15, 1988.

G-15-88 **ICG (BRITISH COLUMBIA) UTILITIES LTD.**

ISSUED February 18 **EFFECTIVE February 18**

ICG applied on December 23, 1987 for Commission approval and acceptance of tariff matters relating to its filed Gas Tariff, Special Rate Schedule.

The Commission approved amended ICG Gas Tariff, Terms and Conditions - Special Rate Schedule.

G-16-88 **CENTRAL HEAT DISTRIBUTION LIMITED**

ISSUED February 22 **EFFECTIVE January 1**

Central Heat applied November 24, 1987 for an average increase of 3.7% to the Basic Steam Tariff, on an interim and permanent basis to become effective January 1, 1988.

ORDER NO.

G-16-88 CENTRAL HEAT DISTRIBUTION LIMITED
(continued)

The Commission issued Order No. G-89-87 granting Central Heat an interim increase in the Basic Steam Tariff of 3.7% effective January 1, 1988 and set down the Application for public hearing to commence February 9, 1988 in Vancouver.

The Commission considered the Application, the evidence adduced during the public hearing and issued a Decision as follows:

1. The Rate Base and Earned Return for the 1988 Test Year were set out in Schedules 1 and 2 of the Decision.

2. The interim increase of 3.7% to the Basic Steam Tariff effective January 1, 1988 was confirmed.

3. The Commission accepted a revision to the Basic Steam Tariff BCUC No. 1 Rate Schedule confirming as permanent, a 3.7% increase in rates, effective January 1, 1988.

G-17-88 PACIFIC NORTHERN GAS LTD.

ISSUED February 25 EFFECTIVE February 25

PNG applied December 22, 1986 for Commission approval of a proposed interim amendment to its Natural Gas Vehicle - ("NGV") Conversion Loan Program available to private individuals or corporations for the purpose of converting specified vehicles to dual-fuel natural gas operation in PNG's service area.

Commission Order No. G-1-87 approved PNG's long-term NGV promotional program to become effective April 1, 1987.

PNG, by letter dated February 10, 1988, applied for an extension of time until April 1, 1988, the date upon which it intended to file its long-term NGV promotional program.

The Commission ordered PNG to submit its long-term natural gas vehicle - NGV promotional program, on or before April 1, 1988.

ORDER NO.

G-18-88 INLAND NATURAL GAS CO. LTD.

ISSUED February 25 EFFECTIVE February 25

Inland applied on February 5, 1988 for Commission approval effective November 1, 1987 amendments to its Gas Tariff Rate Schedules 2, 4, 5, 5A and 5X by allowing a 25¢/GJ Reduction in rates for general service customers with annual volumes greater than 6,000 GJ and for small industrial customers with annual gas volumes not less than 96,000 GJ and not greater than 360,000 GJ.

The Commission approved and accepted for filing the amendments to the Inland Gas Tariff.

Customers billed at the new gas rates and entitled to a refund, were to receive interest calculated at the average prime rate of the principal bank with which Inland conducts its business.

G-19-88 NORTHLAND UTILITIES (B.C.) LIMITED

ISSUED March 3 EFFECTIVE March 1

The Commission approved amendments to Gas Tariff Rate Schedules as a result of the National Energy Board Reasons for Decision RH-87 concerning Westcoast Transmission Company Limited Rate Application for Tolls and from changes to the Gas Commodity Charges as contained in the Gas Sales Agreement between Northland and Peace River Transmission Company Limited.

G-20-88 WEST KOOTENAY POWER AND LIGHT COMPANY, LIMITED

ISSUED March 4 EFFECTIVE March 4

WKPL applied on December 15, 1987 to the Minister of Energy, Mines and Petroleum Resources for an Energy Project Certificate to construct and operate an Okanagan Gas Turbine Generation Plant.

ORDER NO.

G-20-88 WEST KOOTENAY POWER AND LIGHT COMPANY, LIMITED
(continued)

The Minister of Energy, Mines and Petroleum Resources, with the concurrence of the Minister of Environment and Parks, referred the Application to the Commission for review pursuant to Section 19 (1)(a) of the Act at a public hearing in accordance with specific Terms of Reference.

The Commission ordered that a public hearing was to commence April 26, 1988 in Kelowna, B.C.

G-21-88 BRITISH COLUMBIA HYDRO AND POWER AUTHORITY COMPLAINT BY COAST PACIFIC MANAGEMENT INC. AND CHATTERTON PETROCHEMICAL CORPORATION

ISSUED March 8 **EFFECTIVE March 8**

On April 3, 1987 the Commission received a written complaint pursuant to Section 98 of the Utilities Commission Act from Coast Pacific Management Inc. on behalf of their client Chatterton Petrochemical Corporation ("Chatterton"), a customer served by B.C. Hydro Gas Operations in the Lower Mainland of B.C.

Commission Order No. G-6-88 directed Mr. W.J. Grant, Director of Engineering for the Commission to inquire into and report on the matter of the Chatterton complaint respecting interruptible transportation service to large industrial service customers on the B.C. Hydro system.

The Commission accepted Mr. Grant's report and ordered as follows:

1. Approval was granted to the Recommendation contained in the Report on the Inquiry into the complaint regarding B.C. Hydro Interruptible Gas Transportation Rates and Disposition of the Deferred Account.

ORDER NO.

G-21-88 BRITISH COLUMBIA HYDRO AND POWER AUTHORITY COMPLAINT BY COAST PACIFIC MANAGEMENT INC. AND CHATTERTON PETROCHEMICAL CORPORATION
(continued)

2. B.C. Hydro was ordered to close the deferred account pertaining to the Chatterton revenues and refund the amount to Chatterton, including interest at the average prime rate of the principal bank with which B.C. Hydro deals.

3. B.C. Hydro was ordered to make the required changes to its Gas Tariff Rate Schedules or Customer Transportation Service Agreements in accordance with the Recommendation contained in the Report, and to submit the appropriate revisions to the Commission for acceptance and filing no later than April 6, 1988.

G-22-88 INLAND NATURAL GAS CO. LTD.

ISSUED March 8 **EFFECTIVE March 8**

Inland applied for Commission approval and acceptance for filing of an amendment to its filed Gas Tariff, General Terms and Conditions concerning Security Deposits.

The Commission approved the amendment to the Security Deposit Policy and required Inland to credit interest accruing on such deposits to customer accounts in the month of January of each year.

G-23-88 CENTRAL COAST POWER CORPORATION

ISSUED March 8 **EFFECTIVE March 8**

By Order No. G-40-86 Central Coast Power Corporation ("CCPC") was exempted from all the provisions of the Utilities Commission Act ("the Act") save and except for Part 2 of the Act and Sections 30, 44, 47 and 133 thereof.

ORDER NO.

G-23-88 CENTRAL COAST POWER CORPORATION
(continued)

Commission Order No. G-78-87, directed Mr. James M. Bogyo, Director, Major Energy Project Review and Telecommunications to pursue the matter of complaints relating to customer service in the Ocean Falls area with the intent of providing a comprehensive report to the Commission not later than Friday, January 29, 1988.

Mr. Bogyo submitted his Report to the Commission on January 29, 1988.

The Commission reviewed the Report and was satisfied that it was in the public interest and ordered Central Coast Power Corporation as follows:

1. Pursuant to Order No. G-40-86, and the facts presented in the Report, recommendations arising out of Items A, B, C, F and G were not matters of regulation by the Commission. The Synopsis of Issues and Recommendations concerning an inquiry report was attached as Appendix A.

2. Pursuant to Section 30 of the Act, and Issue D found on page 4 of the Report, the Commission ordered CCPC to remove abandoned transformers and store them in a secure area.

3. Pursuant to Section 30 of the Act, and Issue E found on page 5 of the Report, the Commission ordered CCPC to bill electricity sold to the Municipality after November 13, 1987.

G-24-88 INLAND NATURAL GAS CO. LTD.

ISSUED March 16 **EFFECTIVE March 16**

The Commission ordered Inland as follows:

1. The propane air plants should continue to be excluded from the rate base of Inland and continue to be depreciated in accordance with Commission Decision and Order No. G-52-87 dated August 6, 1987.

ORDER NO.

G-24-88 INLAND NATURAL GAS CO. LTD.
(continued)

2. At the next rate proceeding Inland may wish to lead evidence in support of having the propane air plants reintroduced into the rate base, along with an accelerated depreciation rate.

G-25-88 INLAND NATURAL GAS CO. LTD., COLUMBIA NATURAL GAS LIMITED and FORT NELSON GAS LTD.

ISSUED March 17 EFFECTIVE March 17

The Commission ordered that a public hearing into the Application of Inland, Columbia and FNG to consolidate will take place in one of the service area locations of Kamloops, Cranbrook or Fort Nelson on September 13, 1988. The specific location and time will be determined by a future Order of the Commission.

G-26-88 INLAND NATURAL GAS CO. LTD.

ISSUED March 17 EFFECTIVE March 17

The Commission approved and accepted for filing effective March 17, 1988 amendments to Inland's Gas Tariff Rate Schedule 14, NGV Fuel Service, Tariff Supplement No. 26.

G-27-88 INLAND NATURAL GAS CO. LTD.

ISSUED March 18 EFFECTIVE April 1

The Commission ordered Inland as follows:

1. Inland's request to delete fireplaces from the reporting requirements of furnaces, fireplaces and water heaters was denied.

2. The reporting requirements for the Merchandising Program is to follow the format of Appendix A, attached to the Order.

ORDER NO.

G-27-88 **INLAND NATURAL GAS CO. LTD.**
(continued)

3. Full Cost Pricing Policy, in accordance with Commission Decision and Order No. G-52-87, to be effective April 1, 1988, was confirmed.

G-28-88 **PACIFIC NORTHERN GAS LTD.**

ISSUED March 24 **EFFECTIVE March 24**

The Commission approved amendments to the PNG Gas Tariff concerning Deposit and Guarantee and billing adjustments.

G-29-88 **WEST KOOTENAY POWER AND LIGHT COMPANY, LIMITED**

ISSUED **EFFECTIVE**

The Commission approved an Application by WKPL to issue up to 43,000 Common Shares of the unissued capital stock of the company to UtiliCorp British Columbia Ltd., at a price of $100 per share, in accordance with a Resolution of the Board of Directors dated February 17, 1988.

G-30-88 **BRITISH COLUMBIA HYDRO AND POWER AUTHORITY**

ISSUED March 30 **EFFECTIVE March 30**

The Commission denied an Application by B.C. Hydro to increase rates charged to Zone II customers equivalent in amount to water rental fees not previously applied for in the years 1981, 1982 and 1984.

ORDER NO.

G-31-88 INLAND NATURAL GAS CO. LTD.

ISSUED April 7 **EFFECTIVE April 7**

The Commission approved Tariff Supplement No. 33, Service Agreement for Rate Schedule 5, Large Firm Service - Industrial, between Inland Natural Gas Co. Ltd. and Federated Co-Operatives Limited ("Federated") pertaining to the supply of natural gas to Federated's sawmill and plywood plant near Canoe, B.C.

G-32-88 INLAND NATURAL GAS CO. LTD.

ISSUED April 7 **EFFECTIVE April 7**

The Commission approved Tariff Supplement No. 34, Service Agreement for Rate Schedule 4, Dual Fuel Service, between Inland Natural Gas Co. Ltd. and Okanagan Aggregates Ltd. ("Okanagan") pertaining to the supply of natural gas to Okanagan's asphalt plant near Spallumcheen, B.C.

G-33-88 INLAND NATURAL GAS CO. LTD.

ISSUED April 7 **EFFECTIVE April 7**

The Commission approved an extension to May 31, 1988 concerning the requirement to file a Report on an Engineering Assessment of the Plant and Pipeline System of Squamish Gas.

G-34-88 BRITISH COLUMBIA HYDRO AND POWER AUTHORITY

ISSUED April 7 **EFFECTIVE April 7**

The Commission approved for B.C. Hydro, the Interruptible Gas Transportation Service Agreement with B.C. Sugar Refining Company Ltd. ("B.C. Sugar") dated March 5, 1988, covering the transportation of natural gas to B.C. Sugar, subject to timely filing of the removal of the Indemnification Section Clause 8(b).

ORDER NO.

G-35-88 COLUMBIA NATURAL GAS LIMITED

ISSUED April 7 **EFFECTIVE April 7**

The Commission accepted for filing the Assignment and Novation Agreement dated March 14, 1988 between Crestbrook Pulp and Paper Ltd. and Crestbrook Forest Industries Ltd. to the December 11, 1968 Gas Supply Agreement with Columbia.

G-36-88 YOHO POWER LTD.

ISSUED April 14 **EFFECTIVE April 14**

The Commission ordered that a hearing was to be held commencing May 19, 1988 in Field, B.C. concerning an Application by Yoho Power Ltd. to construct and operate an electrical grid connection from TransAlta Utilities Corporation Ltd. near Lake Louise on the Alberta/British Columbia border to the existing distribution system at Field, B.C. The hearing was to include a review of the General Terms and Conditions of Service, Franchise Agreement, rates and subsidy, under which the utility operates.

G-37-88 WEST KOOTENAY POWER AND LIGHT COMPANY, LIMITED

ISSUED April 15 **EFFECTIVE April 15**

The Commission ordered that the public hearing set to commence April 26, 1988 concerning an Application by WKPL for an Energy Project Certificate to construct and operate a gas turbine in the Okanagan Valley be adjourned until May 31, 1988.

G-38-88 INLAND NATURAL GAS CO. LTD.

ISSUED April 14 **EFFECTIVE April 14**

The Commission ordered that Inland was required to file, for its Squamish Gas Grid System, propane pricing information on a monthly basis. By letter dated April 11, 1988 Inland requested to be allowed to file the information on a quarterly basis which was approved.

ORDER NO.

G-39-88 **BRITISH COLUMBIA HYDRO AND POWER AUTHORITY**

ISSUED April 14 **EFFECTIVE April 14**

The Commission approved for B.C. Hydro, the Interruptible Gas Transportation Service Agreement with Shell Canada Products Limited dated March 17, 1988 covering the transportation of natural gas to Shell to be used in the operation of its oil refinery in Burnaby, B.C.

G-40-88 **BRITISH COLUMBIA HYDRO AND POWER AUTHORITY**

ISSUED April 14 **EFFECTIVE April 14**

The Commission approved for B.C. Hydro amendments to its Interruptible Gas Transportation Service Agreements in accordance with Commission Order No. G-21-88.

G-41-88 **C A N C E L L E D**

G-42-88 **INLAND NATURAL GAS CO. LTD.**

ISSUED April 21 **EFFECTIVE April 21**

The Commission approved a request by Inland for an extension of time upon which to file a report regarding the Capital Structure and Restructuring of the Company to September 30, 1988.

G-43-88 **PACIFIC NORTHERN GAS LTD.**

ISSUED April 21 **EFFECTIVE April 21**

The Commission approved a request by PNG for additional time upon which to file its long-term NGV Promotional Program and granted an extension to June 1, 1988.

ORDER NO.

G-44-88 BRITISH COLUMBIA HYDRO AND POWER AUTHORITY

ISSUED April 21 EFFECTIVE April 9

The Commission approved B.C. Hydro, Gas Tariff amendments to Rate Schedule 2502 - Interruptible Service.

G-45-88 PRINCETON LIGHT AND POWER COMPANY, LIMITED

ISSUED April 21 EFFECTIVE June 1

The Commission accepted, subject to timely filing, amended Tariff Rate Schedules for PLP that incorporated a surcharge of 0.10 cents/kW.h in order to collect a deferral account fund in the amount of approximately $60,000.

G-46-88 ICG UTILITIES (BRITISH COLUMBIA) LTD.

ISSUED April 27 EFFECTIVE May 1

The Commission accepted for filing, effective with consumption on and after May 1, 1988, amended Tariff Rate Schedules for ICG that incorporated a decrease of 6.07 cents per 100 cubic feet for Nanaimo and 12.25 cents per 100 cubic feet for Whistler.

G-47-88 BRITISH COLUMBIA HYDRO AND POWER AUTHORITY

ISSUED April 29 EFFECTIVE April 29

The Commission ordered that the 1987 calendar year Westcoast Transmission Company Limited gas toll credits amounting to approximately $4 million be returned by B.C. Hydro to customers based on actual volumes consumed. Costs associated with the refunding procedure, including programming, were to be absorbed by B.C. Hydro.

ORDER NO.

G-48-88 INLAND NATURAL GAS CO. LTD.

ISSUED April 14 **EFFECTIVE April 14**

The Commission approved Inland Gas Tariff Sheets in accordance with Commission Order No. G-14-88 as follows:

1. General Terms & Conditions Applicable to Transportation Service.

2. Transportation Service Rate Schedules 15, 16, 17, 18, 19, 20, 21 and 22.

G-49-88 WEST KOOTENAY POWER AND LIGHT COMPANY, LIMITED

ISSUED May 10 **EFFECTIVE May 10**

The Commission granted a request dated May 5, 1988 by WKPL for a postponement of the hearing on its application for an Energy Project Certificate.

G-50-88 BRITISH COLUMBIA HYDRO AND POWER AUTHORITY

ISSUED May 17 **EFFECTIVE May 17**

The Commission approved amendments to B.C. Hydro's Electric Tariff Terms and Conditions concerning Integration.

The new Integration Policy defined B.C. Hydro's normal contribution toward the capital cost of integrating Zone 1-B and Zone II Districts.

G-51-88 COLUMBIA NATURAL GAS LIMITED

ISSUED May 17 **EFFECTIVE June 1**

Columbia applied to amend its filed Gas Tariff Rate Schedules by filing Volumes 1 and 2 of its Application (the "Application") on September 24, 1985, Volume 3 on July 31, 1986 and Volume 4 on September 30, 1987.

ORDER NO.

G-51-88 COLUMBIA NATURAL GAS LIMITED
(continued)

The Commission directed on January 21, 1987 that any outstanding issues associated with the complaint by (the "Complaint") Fording Coal Limited ("Fording") in connection with the rates of Columbia would be heard with the Application.

The Complaint and the Application were heard at at public hearing on February 23, to 26, 1988 in Cranbrook and March 2 to 4 and 10, 1988 in Vancouver pursuant to Commission Order No. G-86-87.

The Commission considered the Application by Columbia and the evidence adduced thereon during the public hearing of the Application and the Complaint all as set forth in the decision (the "Decision") issued concurrently with this Order.

The Commission ordered as follows:

1. Columbia was to file Rate Schedules to be effective June 1, 1988 and June 1, 1989 in conformity with the Decision .

2. The Interim rates of Columbia currently in effect were confirmed.

3. All aspects of the Fording Complaint were dismissed.

4. The Application of Columbia to include a purchase gas adjustment clause in its tariff schedule was dismissed.

5. Columbia was to file reports as specified.

G-52-88 SQUAMISH GAS CO. LTD.

ISSUED May 17 **EFFECTIVE May 17**

The Commission approved for Squamish Gas an amendment to the filed Gas Tariff, General Terms and Conditions section.

ORDER NO.

G-52-88 **SQUAMISH GAS CO. LTD.**
(continued)

The amendment will make available to qualifying residential customers an Incentive Payment of $100 to assist in the conversion of water heaters from other fuels to gas and also will allow Squamish Gas to sell, finance, rent and promote appliances and make reasonable charges for the services.

G-53-88 **INLAND NATURAL GAS CO. LTD.**

ISSUED May 26 **EFFECTIVE May 26**

The Commission approved for Inland filing Gas Tariff Sheets, Tariff Supplement No. 22.

The amendments applied to Gas Tariff Rate Schedule 12A - Large Volume Interruptible Service, Tariff Supplement No. 22 - Service Agreement with Lafarge Canada Inc. ("Lafarge").

The Service Agreement was the result of negotiations between Inland and Lafarge for delivery of gas to the buyer's cement plant at Kamloops, B.C. which commenced April 1, 1988 and which will terminate on November 1, 1988.

G-54-88 **INLAND NATURAL GAS CO. LTD.**

ISSUED May 26 **EFFECTIVE May 26**

Commission Order No. G-5-88 approved the Application dated January 7, 1988 by Inland for the filing of tariff amendments that resulted from a National Energy Board ("NEB") Decision on Westcoast Transmission Company Limited ("Westcoast") natural gas Tolls.

Inland received a net credit of approximately $1.3 million from Westcoast as rebate from the 1987 cost of gas recalculation resulting from the NEB decision.

ORDER NO.

G-54-88 **INLAND NATURAL GAS CO. LTD.**
(continued)

1. The Commission required that the 1987 calendar year Westcoast natural gas toll credits amounting to approximately $1.3 million be returned by Inland to customers based on actual volumes consumed.

2. The refund was to appear as a credit on all customer bills during the next regular cycle billing period. For residential customers who have left Inland's billing system prior to June 1, 1988, Inland is not required to refund such credits.

3. Inland was to provide the Commission with a reconciliation schedule showing a summary of the amounts credited to customer accounts, the amounts refunded to prior customers and the amounts retained.

G-55-88 **INLAND NATURAL GAS CO. LTD.**

ISSUED May 26 **EFFECTIVE May 26**

Inland was required by Commission Decision and Order No. G-80-87 to file by June 1, 1988 information pertaining to a Cost of Service Study.

The Commission approved Inland's request for an extension of time to November 1, 1988 upon which to file information pertaining to a Cost of Service Study.

G-56-88 **NORTHLAND UTILITIES (B.C.) LIMITED**

ISSUED May 26 **EFFECTIVE June 1**

Northland applied May 24, 1988 to amend its filed Gas Tariff Rate Schedules for its Tumbler Ridge Division to incorporate an interim decrease in rates to all customers effective June 1, 1988.

ORDER NO.

G-56-88 NORTHLAND UTILITIES (B.C.) LIMITED
(continued)

1. The Commission accepted for filing effective with consumption on and after June 1, 1988 on an interim basis, amended Gas Tariff, General Rate - Natural Gas Service incorporating a decrease in rates of $1.398/GJ.

2. A public hearing was ordered to commence on Tuesday, July 12, 1988 at the Tumbler Ridge, B.C.

G-57-88 BRITISH COLUMBIA HYDRO AND POWER AUTHORITY

ISSUED May 26 **EFFECTIVE May 26**

The Commission accepted amendments to B.C. Hydro's Gas Tariff, Terms and Conditions and Rate Schedules 2150, 2155 and 2250 to allow for extensions of service to new customers in the Victoria gas grid system.

G-58-88 WEST KOOTENAY POWER AND LIGHT COMPANY LIMITED

ISSUED June 2 **EFFECTIVE June 1**

On January 28, 1988 WKPL applied for Commission approval for cancellation of Area III Rates.

The Commission approved the cancellation of Area III Rates and amendments to Electric Tariff for WKPL.

G-59-88 NORTHLAND UTILITIES (B.C.) LIMITED

ISSUED June 7 **EFFECTIVE June 7**

The Commission determined that the date for the public hearing as set out in Commission Order No. G-56-88 be amended to July 26, 1988.

ORDER NO.

G-60-88 BRITISH COLUMBIA HYDRO AND POWER AUTHORITY

ISSUED June 22 **EFFECTIVE July 1**

B.C.Hydro applied June 17, 1988 for Commission approval to continue to include in its operating expenses, subsidy payments for the residential customers of Yoho Power Ltd.

The Commission approved the extension of the time period approved by Commission Order No. G-88-87 from June 30, 1988 to September 30, 1988, and approved the introduction of the subsidy payments for non-Federal Government commercial customers from July 1, 1988 to September 30, 1988 inclusive.

G-61-88 INLAND NATURAL GAS CO. LTD., COLUMBIA NATURAL GAS LIMITED, and FORT NELSON GAS LTD.

ISSUED June 23 **EFFECTIVE June 23**

Inland, Columbia, and FNG applied December 3, 1987, subsequently amended on December 7 and 14, 1987 and February 19, 1988 for an Order of the Lieutenant Governor in Council consenting to the consolidation of Inland, Columbia and FNG to be effective December 31, 1988.

The Commission ordered that a public hearing concerning the Applications to Consolidate commence September 13, 1988 in Kamloops, B.C.

G-62-88 YOHO POWER LTD.

ISSUED June 24 **EFFECTIVE June 24**

Yoho applied April 13, 1988 which was subsequently amended on May 6, 1988, to construct and operate an electrical grid connection from TransAlta Utilities Corporation Ltd. near Lake Louise on the Alberta/British Columbia border to the existing distribution system at Field, B.C.

ORDER NO.

G-62-88 **YOHO POWER LTD.**
(continued)

The Commission considered the Application by Yoho and the evidence adduced thereon during a public hearing of the Application and ordered as follows:

1. The Application for a Certificate of Public Convenience and Necessity to construct and operate a grid interconnection from the Alberta/British Columbia border to the existing distribution facilities at Field, B.C. was rejected.

2. Yoho was to file Electric Tariff Rate Schedules in Commission approved format to be effective July 1, 1988 in conformity with the Decision.

3. The Electric Tariff, Terms and Conditions proposed by the Applicant were accepted subject to changes in the areas of Security Deposits, Metering and Extension of Distribution Lines policy as outlined in the Decision. Yoho was to file appropriate Tariff sheets in Commission approved format by July 29, 1988.

4. Hearing costs were permitted to be recovered over a five-year period commencing at the beginning of the company's next fiscal year.

G-63-88 **FORT NELSON GAS LTD.**

ISSUED June 23 **EFFECTIVE November 1, 1987**

The Commission approved FNG Gas Tariff amendments resulting from an amendment to the Westcoast Transmission Company Limited Gas Sales Agreement and from changes in the commodity cost of gas commencing on November 1, 1987.

G-64-88 **BRITISH COLUMBIA HYDRO AND POWER AUTHORITY**

ISSUED June 23 **EFFECTIVE June 23**

The Commission approved the cancellation of Rate Schedule 1805 and other amendments to Electric Tariff for B.C. Hydro.

ORDER NO.

G-65-88 NORTHLAND UTILITIES (B.C.) LIMITED

ISSUED June 30 **EFFECTIVE June 30**

The Commission approved amendments to the Northland Gas Tariff resulting from an amendment to the Westcoast Energy Inc. Gas Sales Agreement and from changes in the commodity cost of gas commencing on November 1, 1987 and and approved a Special Contract Rate for its Tumbler Ridge Division which allowed for a $0.25/GJ reduction in rates for commercial service customers with annual volumes greater than 6,000 GJ and for small industrial customers with annual gas volumes in excess of 96,000 GJ.

G-66-88 BRITISH COLUMBIA HYDRO AND POWER AUTHORITY

ISSUED July 7 **EFFECTIVE July 7**

The Commission approved a variance to Clause 1 of Commission Order No. G-8-88 by extending from July 1, 1988 to December 30, 1988, the date upon which a formal Application in support of a $0.14/GJ interim increase in natural gas rates effective November 1, 1986, which increase is subject to refund with interest, was to be submitted.

G-67-88 COLUMBIA NATURAL GAS LIMITED

ISSUED July 7 **EFFECTIVE July 7**

The Commission approved an amendment to Columbia's Gas Tariff, General Terms and Conditions concerning Guarantee Deposits.

G-68-88 BRITISH COLUMBIA HYDRO AND POWER AUTHORITY

ISSUED June 30 **EFFECTIVE July 1**

The Commission approved amendments to B.C. Hydro's Electric Tariff Rate Schedule 1105, Residential Dual Fuel Interruptible Service, and Rate Schedules 1205, 1206 and 1207, General Dual Fuel Interruptible Service.

ORDER NO.

G-69-88 BRITISH COLUMBIA HYDRO AND POWER AUTHORITY

ISSUED July 15 EFFECTIVE November 1, 1986

Commission Order No. G-76-86 approved the increase of $0.14/GJ on an interim basis, effective November 1, 1986 subject to refund with interest calculated at the average prime rate.

The Lieutenant Governor in Council issued Order in Council No. 272/88 ("Special Direction B.C. Hydro No. 3") dated July 15, 1988 directing the Commission to vary Clause 1 in Commission Order No. G-76-86 by striking out everything after "November 20, 1986" and substituting "are approved", and by striking out Clauses 2 to 5.

The Commission ordered British Columbia Hydro and Power Authority as follows:

1. Pursuant to Special Direction B.C. Hydro No. 3, the interim increase of $0.14/GJ contained in the Gas Tariff Rate Schedules effective November 1, 1986 was confirmed.

2. The Commission will accept, subject to timely filing, Gas Tariff Rate Schedules that embody the permanent increase of $0.14/GJ effective with consumption on and after November 1, 1986.

G-70-88 RECOVERY OF COMMISSION COSTS FROM ALL REGULATED UTILITIES

ISSUED August 2 EFFECTIVE April 1

B.C. Regulation 283/88, passed by Order-in-Council No. 1407 on July 28, 1988 pursuant to Section 140 of the Utilities Commission Act, which authorized the Commission to recover its expenses arising in the fiscal year that commenced on April 1, 1988, out of the administration of the Act, to fix and to collect levies from public utilities and other persons.

A levy, at the rate of $0.0012 per $1 of total gross utility energy sales for the calendar year 1987, shall be paid by and collected from the public utilities listed in Section 2, for the recovery of Commission expenses in the fiscal year commencing April 1, 1988.

ORDER NO.

G-71-88 COLUMBIA NATURAL GAS LIMITED

ISSUED June 20 EFFECTIVE June 1

Pursuant to Section 133 of the Utilities Commission Act the Commission ordered Columbia to pay $85,698, being Commission costs incidental to the Application, to the Minister of Finance and Corporate Relations.

The amount of $40,410 relating to salaries, wages and benefits for Inland employees that was included in the hearing costs of Columbia was disallowed.

Total hearing costs of $257,179 were allowed to be recovered over a three-year period, and allocated on a 70 percent recovery from the Large Industrial Contract Customers and 30 percent to all other user classes, based on a gross cost of service.

G-72-88 INLAND NATURAL GAS CO. LTD.
COLUMBIA NATURAL GAS LIMITED
FORT NELSON GAS LTD.

ISSUED July 28 EFFECTIVE July 28

The Commission approved a variance to Order No. G-61-88 as follows:

1. The dates and procedural deadlines set out in Commission Order No. G-61-88 clauses 1 through 5, and Notice of Public Hearing were rescinded.

2. A public hearing to hear the Applications to Consolidate will commence in Kamloops, B.C. on Wednesday, October 12, 1988.

G-73-88 BRITISH COLUMBIA HYDRO AND POWER AUTHORITY

ISSUED July 28 EFFECTIVE July 28

The Commission approved the amendment to B.C. Hydro's Electric Tariff, Terms and Conditions pertaining to Service Connections in the Victoria Network Area.

ORDER NO.

G-74-88 NORTHLAND UTILITIES (B.C.) LIMITED

ISSUED August 4 **EFFECTIVE August 4**

The Commission approved amendments to Northland's Gas Tariff, Terms and Conditions - Schedule "A" charges.

G-75-88 BRITISH COLUMBIA HYDRO AND POWER AUTHORITY

ISSUED August 4 **EFFECTIVE March 25**

The Commission approved amendments to the B.C. Hydro Electric Tariff concerning the cancellation of the Annual Minimum Charge provision contained in Rate Schedule 1821 - Transmission Service (5000 kW and over).

G-76-88 WEST KOOTENAY POWER AND LIGHT COMPANY, LIMITED

ISSUED August 4 **EFFECTIVE August 4**

WKPL applied July 20, 1988 to amend its current arrangements pertaining to bank borrowings by extending the expiry dates of the Bank Term Loan Line of Credit from January 2, 1990 to January 2, 1991.

The Commission approved revisions to WKPL's Term Loan arrangements extending the expiry dates.

G-77-88 INLAND NATURAL GAS CO. LTD.

ISSUED August 11 **EFFECTIVE August 11**

The Commission approved for Inland Gas Tariff Sheets, Tariff Supplement No. 36, D & W Mushrooms (1976) Ltd.

G-78-88 INLAND NATURAL GAS CO. LTD.

ISSUED August 11 **EFFECTIVE August 11**

The Commission approved for Inland Gas Tariff Sheets, Tariff Supplement No. 35, Riverside Forest Products Ltd.

ORDER NO.

G-79-88 BRITISH COLUMBIA HYDRO AND POWER AUTHORITY

ISSUED August 25 EFFECTIVE September 1

The Commission approved for B.C. Hydro, amendments to incorporate a 10.5 percent increase to the Electric Tariff - Zone II Rates.

G-80-88 SQUAMISH GAS CO. LTD.

ISSUED August 30 EFFECTIVE July 27

The Commission approved for Squamish Gas, amendments to Gas Tariff, Rate Schedule 1 - General Service Rate.

G-81-88 NORTHLAND UTILITIES (B.C.) LIMITED

ISSUED August 31 EFFECTIVE August 31

The Commission approved, following a public hearing, an Application by Northland to amend its filed Gas Tariff Rate Schedules, Tumbler Ridge Division, to incorporate an interim decrease in rates to all customers effective June 1, 1988.

1. The interim rate decrease of $1.398/GJ for natural gas service in Tumbler Ridge, approved by Commission Order No. G-56-88 effective June 1, 1988 is confirmed through August 31, 1988.

2. The General Service Rate charged for natural gas service at Tumbler Ridge will be approximately $4.43/GJ, effective September 1, 1988, subject to timely filing by Northland.

G-82-88 INLAND NATURAL GAS CO. LTD.

ISSUED September 8 EFFECTIVE September 8

Inland applied for approval to transfer $1.8 million revenue deferral into income in the fiscal year ending December 31, 1988.

ORDER NO.

G-82-88 **INLAND NATURAL GAS CO. LTD.**
(continued)

The Commission ordered as follows:

1. Inland was to take into current year's income from revenue in the deferral account, an amount that will allow the Company to earn its approved return on equity on a normalized basis in fiscal year 1988, and subsequent years, until the account is fully depleted.

2. Inland was to file for the Commission's review and approval, its fiscal, actual and normalized results prior to March 31, following each fiscal year in which revenue is taken out of the deferral account.

G-83-88 **INLAND NATURAL GAS CO. LTD.**

ISSUED September 15 **EFFECTIVE September 15**

The Commission approved an amendment to the Service Agreement for Rate Schedule 5 between Inland and Federated Co-Operatives Limited - Tariff Supplement No. 33.

G-84-88 **BRITISH COLUMBIA HYDRO AND POWER AUTHORITY**

ISSUED September 15 **EFFECTIVE September 15**

The Commission approved B.C. Hydro's application for an amendment to Electric Tariff, Rate Schedule 1401 - General Service - Irrigation, resulting from a request by the British Columbia Cattlemen's Association to waive minimum charges for irrigation during drought years including the 1988 irrigation season.

ORDER NO.

G-85-88 INLAND NATURAL GAS CO. LTD.

ISSUED September 15 EFFECTIVE September 15

The Commission approved an application by Inland for amendments to its Promotional Incentive Program contained on Gas Tariff, Sheet No. 39.1 as a result of simplifying the Program for greater effectiveness and inflation factors in the installed prices of furnaces, and to increase the available grant to residential customers to a maximum amount of $2,000.

G-86-88 COLUMBIA NATURAL GAS LIMITED

ISSUED September 15 EFFECTIVE September 15

The Commission approved an application by Columbia for amendments to its Promotional Incentive Program contained on Gas Tariff, Sheet No. 29 as a result of simplifying the Program for greater effectiveness and inflation factors in the installed prices of furnaces, and to increase the available grant to residential customers to a maximum amount of $2,000.

G-87-88 FORT NELSON GAS LTD.

ISSUED September 15 EFFECTIVE September 15

The Commission approved an application by FNG for approval of amendments to its Promotional Incentive Program contained on Gas Tariff, Sheet No. 19 as a result of simplifying the Program for greater effectiveness and inflation factors in the installed prices of furnaces, and to increase the available grant to residential customers to a maximum amount of $2,000.

G-88-88 BRITISH COLUMBIA HYDRO AND POWER AUTHORITY

ISSUED September 15 EFFECTIVE September 15

The Commission approved B.C. Hydro's application for approval to transfer into income in the fiscal year ending March 31, 1989:

ORDER NO.

G-88-88 **BRITISH COLUMBIA HYDRO AND POWER AUTHORITY** (continued)

(a) all net revenues from export power sales in fiscal year 1988/89,

(b) all or a portion of the $38 million balance in the Rate Stabilization Account ("RSA"),

with the totals of (a) and (b) not to exceed $72 million.

G-89-88 **INLAND NATURAL GAS CO. LTD.**

ISSUED September 21 **EFFECTIVE September 21**

The Commission approved Inland's application for a Natural Gas Service Agreement dated April 11, 1988 for transportation service from the Inland system to Pope & Talbot Ltd.'s ("P&T") sawmill at Midway, B.C. as follows:

1. The Natural Gas Service Agreement for transportation service between Inland and P&T reflected in the Letter of Intent dated April 11, 1988 was approved and attached as Appendix A.

2. The Executed Contract was required to be filed for approval as a Gas Tariff, Tariff Supplement within 30 days of the date of this Order.

3. The revenue deficiency of $16,500 as calculated by Inland, resulting from P&T taking transportation service, and requested to be shifted to other customers, was not justified and therefore denied.

G-90-88 **REGIONAL DISTRICT OF MOUNT WADDINGTON**

ISSUED September 22 **EFFECTIVE September 22**

The Commission set down an application by the Regional District of Mount Waddington for a Commission Order requiring B.C. Hydro to extend electric service to Winter Harbour on Vancouver Island. The public hearing was to commence November 29, 1988.

ORDER NO.

G-91-88 BRITISH COLUMBIA HYDRO AND POWER AUTHORITY

ISSUED September 23 EFFECTIVE October 1

The Commission approved the extension of the subsidy payment by B.C. Hydro to Yoho Power Ltd. applicable to Residential and Commercial Service customers, other than accounts billed to and paid by the Federal Government of Canada, for the period October 1, 1988 to June 30, 1989.

G-92-88 INLAND NATURAL GAS CO. LTD.
COLUMBIA NATURAL GAS LIMITED and
FORT NELSON GAS LTD.

ISSUED September 23 EFFECTIVE September 23

The Commission approved the withdrawal of the Inland, Columbia and FNG Applications to Consolidate.

G-93-88 WEST KOOTENAY POWER LTD.

ISSUED September 28 EFFECTIVE September 28

The Commission approved revisions to WKP's Electric Tariff, Terms and Conditions pertaining to Reconnection of Service and minimum transformer sizes on services supplied at 347/600 Volts necessitated the above.

Customers disconnected prior to the date of the Order were to be served under Original Sheet E, until such time as they are reconnected, or until 12 months have elapsed since disconnection.

G-94-88 WEST KOOTENAY POWER LTD.

ISSUED October 5 EFFECTIVE October 5

The Commission considered WKP's Application for an Energy Project Certificate dated September 29, 1988 to construct and operate a Gas Turbine Project to be located in the Oliver Industrial Park in Oliver, B.C. be set down for public hearing to commence November 22, 1988 in Oliver, B.C.

ORDER NO.

G-95-88 PRINCETON LIGHT & POWER COMPANY, LIMITED

ISSUED October 6 EFFECTIVE November 1

The Commission approved an Application by PLP for an increase in electrical rates of 1.70% as a result of increased expenses incurred and that are expected to occur as well as an erosion in the Company's allowed rate of return, during the fiscal year ending March 31, 1989.

G-96-88 WEST KOOTENAY POWER LTD.

ISSUED October 6 EFFECTIVE October 6

The Commission considered the facts in the matter including information contained in WKP's letter dated September 15, 1988 and ordered West Kootenay Power Ltd. to file an amendment to Electric Tariff BCUC No. 1 on or before November 30, 1988 as follows:

1. The Commission ordered WKP to file an amendment to its filed Electric Tariff, Terms and Conditions, to include the addition of the following sub-section in Section 9 - Rights-of-Way and Access to Facilities, found on Sheet R:

   9.3 Exception

   Notwithstanding the provisions of Section 9.1 and 9.2, approval of the B.C. Utilities Commission will be required prior to any removal of plant constructed to serve industrial customers supplied at 60 kV and above.

G-97-88 B.C. HYDRO AND POWER AUTHORITY

ISSUED October 20 EFFECTIVE September 23

The Commission approved the Electric Tariff amendment Definition of Rate Zone II to provide for the deletion of Tatla Lake.

ORDER NO.

G-98-88 **PACIFIC NORTHERN GAS LTD.**

ISSUED November 10 **EFFECTIVE November 10**

The Commission accepted for filing the Letter Agreement dated October 13, 1988 which extended the Gas Sales Agreement between PNG and Placer Development Limited by one year to October 31, 1989 and designated as Tariff Supplement No. 2.

G-99-88 **PACIFIC NORTHERN GAS LTD.**

ISSUED November 10 **EFFECTIVE November 1**

The Commission approved the following documents for PNG:

1. Firm Transportation Agreement dated November 1, 1988 between PNG and Ocelot Chemicals Inc. and designated as Tariff Supplement No. 16, Original Sheets No. 16-1 to 16-21 inclusive.

2. Letter Agreement dated October 25, 1988 between PNG and Ocelot which provided for an Incentive Rate for gas delivered during the two-year period commencing November 1, 1988.

3. Letter Agreement dated September 1, 1988 between PNG and British Columbia Petroleum Corporation which extended the Incentive Rate provided for under the Gas Sales Agreement, for a further two years commencing November 1, 1988.

G-100-88 **ICG UTILITIES (BRITISH COLUMBIA) LTD.**

ISSUED November 10 **EFFECTIVE December 1**

The Commission ordered as follows:

1. The Commission approved an application by ICG for amendments to its Gas Tariff - Whistler District, General Service Rate, Third Revision Page 40 is accepted for filing, on an interim basis, effective December 1, 1988.

ORDER NO.

G-100-88 ICG UTILITIES (BRITISH COLUMBIA) LTD.
(continued)

2. ICG was to notify its customers, by way of a customer bill notice, that the rates will increase on an interim basis effective December 1, 1988. If customers have concerns they must be expressed in writing to the Commission Secretary prior to January 31, 1989.

3. The Commission, following a review of customer concerns, will make a final determination in rates on or before February 28, 1989.

G-101-88 WEST KOOTENAY POWER LTD.

ISSUED November 23 EFFECTIVE November 23

The Commission approved for WKP the issuance of 480,000 Cumulative Redeemable Retractable Preferred Shares, Series 2, each with a par value of $25, paying an annual cash dividend of $1.975 per share and to be issued at a price of $25 per share as specified.

G-102-88 WEST KOOTENAY POWER LTD.

ISSUED November 30 EFFECTIVE November 21

The Commission approved, pursuant to Section 57 of the Utilities Commission Act, an application by WKP for the conversion of 5,000 7% Preferred Shares with a par value of $100 each to 20,000 Preferred Shares, Series 1, with a par value of $25 each.

G-103-88 ICG UTILITIES (BRITISH COLUMBIA) LTD.

ISSUED November 30 EFFECTIVE December 1

The Commission accepted for filing rates charged by ICG to Canadian Forest Products Ltd.

The lost revenues as a result of the negotiated rate to Canfor will be set up in a deferral account, the disposition of which will be determined by a future Commission Order.

ORDER NO.

G-104-88 B.I.O. GAS INDUSTRIES INC.

ISSUED November 3 EFFECTIVE November 3

The Commission, on approval from the Lieutenant Governor in Council, approved an application from BIO Gas for exemption from the provisions of the Utilities Commission Act ("the Act"), other than Part 2.

G-105-88 NATIONAL FUELCORP LIMITED

ISSUED December 16 EFFECTIVE December 16

Mr. W.M. Swanson, Q.C., Commissioner was directed to inquire and report on the complaint filed by Fuelcorp on or before January 10, 1989. The complaint alleged that the NGV control of pricing and other aspects of the conversion business was unfairly controlled by B.C. Gas Inc.

G-106-88 CENTRAL HEAT DISTRIBUTION LIMITED

ISSUED December 16 EFFECTIVE January 1, 1989

The Commission approved the Schedule of Rates proposed by Central Heat under Tab 2 of the Application, which reflected an increase in the basic steam Tariff of approximately 4.0% as a result of increased operating costs, taxes other than income taxes and labour costs, pursuant to Section 67(4) of the Utilities Commission Act.

G-107-88 WEST KOOTENAY POWER LTD.

ISSUED December 16 EFFECTIVE January 1, 1989

WKP applied November 28, 1988 for a rate increase of 6.7% effective January 1, 1989.

The Commission ordered as follows:

1. The 6.7% rate increase was approved on an interim basis, effective January 1, 1989, with the interim increase subject to refund with interest calculated at the average prime rate of the principal bank with which WKP conducts its business.

ORDER NO.

G-107-88 WEST KOOTENAY POWER LTD.
(continued)

2. The matter of residential rate simplification issues presented in the Application will be addressed during the public hearing.

3. The matter of a public hearing of the Application will be the subject of a further Order of the Commission.

G-108-88 REGIONAL DISTRICT OF MOUNT WADDINGTON

ISSUED December 19 EFFECTIVE December 19

The Regional District applied on December 16, 1988 for a further adjournment of the public hearing in order to obtain additional information and to resolve certain details pertaining to the proposed extension.

The Commission ordered as follows:

1. The Public Hearing was to resume on January 17, 1989.

2. The District and B.C. Hydro will advise the Commission on or before January 11, 1989 whether any agreement has been reached concerning the proposed electrical extension to Winter Harbour.

G-109-88 THE CORPORATION OF THE CITY OF NELSON

ISSUED December 26 EFFECTIVE January 1, 1989

The Commission accepted for filing The Nelson Electrical Utility Regulatory Amendment By-Law No. 2321, 1988 incorporating a general rate increase of 6.0%, on an interim basis, with the interim increase subject to refund with interest calculated at the average prime rate of the bank with which the City conducts its business and subject to confirmation of the West Kootenay Power Ltd. general interim rate increase effective January 1, 1989.

ORDER NO.

G-110-88 ICG UTILITIES (BRITISH COLUMBIA) LTD.

ISSUED December 21 EFFECTIVE January 1, 1989

The Commission accepted for filing for ICG, rates charged to Balfour Forest Products Inc. - Peace Wood Products Division.

G-111-88 PACIFIC COAST ENERGY CORPORATION

ISSUED December 20 EFFECTIVE December 20

Pacific Coast Energy Corporation ("PCEC") made an Application to the Minister of Energy, Mines and Petroleum Resources in November 1988, and an Alternative Application in December 1988, ("the Applications") for an Energy Project Certificate to construct and operate pipeline transmission facilities for the transmission of natural gas to, and on, Vancouver Island.

A public hearing was set to commence January 24, 1989 in Vancouver, B.C.

G-112-88 WEST KOOTENAY POWER LTD.

ISSUED December 22 EFFECTIVE December 22

Commission Order No. G-107-88 approved the WKP's request for increased rates on an interim basis effective January 1, 1989.

The Commission set down the application for public hearing to commence February 28, 1989 in Rossland, B.C.

APPENDIX IV

CERTIFICATES OF PUBLIC CONVENIENCE AND NECESSITY ISSUED IN 1988

ORDER NO.

C-1-88 **YOHO POWER LTD.**

ISSUED April 14 **EFFECTIVE April 14**

Granted a Certificate of Public Convenience and Necessity for the provision of electrical service in Yoho National Park, B.C.

Yoho Power Ltd. purchased the electrical generation and distribution assets of Northern Canada Power Commission in the townsite of Field, B.C. under a separate agreement called the Assets Sale/Purchase Agreement.

C-2-88 **PACIFIC NORTHERN GAS LTD.**

ISSUED April 28 **EFFECTIVE April 28**

Pacific Northern Gas Ltd. ("PNG") applied for a Certificate of Public Convenience and Necessity for the construction and operation of 6.2 miles of 12-inch loop in two sections east of Terrace in the Copper River Valley.

The Commission ordered as follows:

1. A Certificate of Public Convenience and Necessity was granted to PNG for the construction and operation of the proposed looping of the transmission line in the Copper River Valley, at an estimated cost of approximately $4.0 million for the total project.

2. PNG was to proceed expeditiously with all necessary arrangements pertaining to the acquisition and placement into active service of the proposed transmission line.

3. PNG was required to file monthly construction progress reports detailing the bidding, awarding of contracts and capital cost expectations as the project progresses.

ORDER NO.

C-3-88 **BRITISH COLUMBIA HYDRO AND POWER AUTHORITY**

ISSUED May 17 **EFFECTIVE May 17**

A Certificate of Public Convenience and Necessity was granted to B.C. Hydro for the construction and operation of the proposed Aiyansh to Stewart transmission line at an estimated capital cost of approximately $21.1 million for the total project.

B.C. Hydro was to proceed expeditiously with all necessary arrangements pertaining to the acquisition and placement into active service of the proposed transmission line.

B.C. Hydro was required to file monthly construction progress reports, in addition to detailing the bidding, awarding of contracts and capital cost expectations as the project progresses.

APPENDIX V

CERTIFICATES OF PUBLIC CONVENIENCE AND NECESSITY PAY-TELEVISION AND/OR CABLE UNDERTAKING ISSUED IN 1988

Order	Date	Name of Undertaking	Pay TV or Cable	Area Serviced
T-1-88	Sept. 1/88	Quadra Cable Ltd.	Pay TV Cable	Quadra Island

APPENDIX VI

ENERGY SUPPLY CONTRACT ORDERS ISSUED IN 1988
(Section 85.3, Utilities Commission Act)

ORDER NO.

E-1-88 WEYERHAEUSER CANADA LTD.

ISSUED October 20 EFFECTIVE October 20

Amendments to the Utilities Commission Act ("the Act"), including Section 85.3, requires that Energy Supply Contracts ("Contracts") between producers and consumers, be filed with the Commission for approval.

Weyerhaeuser Canada Ltd. ("Weyerhaeuser") filed with the Commission a natural gas supply contract between the Company and Quintanna Exploration Canada Ltd. ("Quintanna") dated June 20, 1988 for the period commencing November 1, 1988 to October 31, 1990 inclusive under Rules - Section 1.2.3.

The Commission approved and accepted for filing the Energy Supply Contract between Weyerhaeuser and Quintanna dated June 20, 1988 which was designated as Energy Supply Contract, NGSC No. 1.

E-2-88 CANADIAN FOREST PRODUCTS LTD.

ISSUED October 28 EFFECTIVE October 28

Approved and accepted for filing the Energy Supply Contract between Canadian Forest Products Ltd. and Czar Resources Ltd. and Wainoco Oil Corporation dated November 1, 1988 which was designated as Energy Supply Contract, NGSC No. 2.

E-3-88 NORTHWOOD PULP AND TIMBER LIMITED

ISSUED October 28 EFFECTIVE October 28

Approved and accepted for filing the Energy Supply Contract between Northwood Pulp and Timber Limited and Petro-Canada Inc. dated June 30, 1988 which was designated as Energy Supply Contract, NGSC No. 3.

ORDER NO.

E-4-88 **NORTH CENTRAL PLYWOODS LTD.**

ISSUED October 28 **EFFECTIVE October 28**

Approved and accepted for filing the draft Energy Supply Contract between North Central Plywoods Ltd. and Petro-Canada Inc. dated November 1, 1988 which was designated as Energy Supply Contract NGSC No. 4.

North Central Plywoods Ltd. was to file with the Commission a fully executed Energy Supply Contract on or before November 30, 1988.

E-5-88 **INLAND NATURAL GAS MARKETING LTD.**

ISSUED October 28 **EFFECTIVE October 28**

Approved and accepted for filing the draft Energy Contracts between Inland Natural Gas Marketing Ltd. and Quintanna Exploration Canada Ltd, Canterra Energy Ltd. and Petro-Canada Inc. dated November 1, 1988 which were designated as Energy Supply Contracts, NGSC No. 5.

Inland Natural Gas Marketing was to file with the Commission a fully executed set of Energy Supply Contracts on or before November 30, 1988.

E-6-88 **COAST PACIFIC MANAGEMENT INC.**

ISSUED December 21 **EFFECTIVE January 1, 1989**

Approved and accepted for filing the draft Energy Supply Contracts between Coast Pacific Management Inc. and Unocal Canada Ltd. and Coast Pacific Management's clients dated for reference January 1, 1989 which were designated as Energy Supply Contracts, NGSC No. 6.

Coast Pacific Management Inc. was to file with the Commission a fully executed set of Energy Supply Contracts on or before January 15, 1989.

ORDER NO.

E-7-88 **B.C. SUGAR REFINING CO. LTD.**

ISSUED November 30 **EFFECTIVE November 30**

Approved and accepted for filing the Energy Supply Contract between B.C. Sugar Refining Co. Ltd. and Remington Energy Ltd. dated October 24, 1988, which was designated as Energy Supply Contract, NGSC No. 7.

APPENDIX VII

OIL PIPELINE ORDERS ISSUED IN 1988
(Pipeline Act, Part 7)

ORDER NO.

P-1-88 **NORCEN ENERGY RESOURCES LIMITED**

ISSUED July 7 **EFFECTIVE July 7**

Approved and accepted for filing for Norcen Energy Resources Limited, the Crude Petroleum Tariff No. 1 and No. 2, dated January 1, 1984, as follows:

1. The Rates contained in Tariff No. 2, dated January 1, 1984; and

2. The Rules and Regulations contained in Tariff No. 1, dated January 1, 1984.

P-2-88 **TRANS MOUNTAIN ENTERPRISES OF BRITISH COLUMBIA LIMITED**

ISSUED July 7 **EFFECTIVE July 7**

Approved and accepted for filing for Trans Mountain Enterprises of British Columbia Limited, the Turbine Fuel Tariff No. B.C. 4 dated September 30, 1986 as follows:

1. Rates contained in Tariff No. B.C. 4 effective September 30, 1986.

2. Rules and Regulations contained in Tariff No. B.C. 4.

P-3-88 **WESTCOAST PETROLEUM LTD.**

ISSUED July 14 **EFFECTIVE July 14**

Approved and accepted for filing for Westcoast Petroleum Ltd., the Light Petroleum Tariff as follows:

1. Rates contained in Tariff No. 18 effective May 1, 1987.

ORDER NO.

P-3-88 **WESTCOAST PETROLEUM LTD.**
(continued)

2. Rules and Regulations effective November 1, 1983.

P-4-88 **SUNCOR INC.**

ISSUED July 14 **EFFECTIVE July 14**

Approved and accepted for filing for Suncor Inc., the Crude Petroleum Tariff attached to their letter to the Commission dated July 6, 1988, as follows:

1. Rates contained in Revised Tariff No. 110 effective August 1, 1984.

2. Rules and Regulations.

APPENDIX VIII

COSTS RECOVERED FROM REGULATED UTILITIES FROM APRIL 1, 1988 TO DECEMBER 31, 1988

Pursuant to Commission Order No. G-70-88 a levy, at the rate of $0.0012 per $1 of total gross utility energy sales for the previous calendar year 1987, was collected from the public utilities for the fiscal year commencing April 1, 1988 enabling the Commission to recover expenses that resulted from the administration of the Utilities Commission Act.

	Amount Recovered (9 mos. 1988)
British Columbia Hydro and Power Authority	1,462,440
British Columbia Hydro and Power Authority (Gas Div.)	201,236
BC Gas Inc.	100,618
Central Heat Distribution Limited	4,298
City of Nelson	1,298
Columbia Natural Gas Limited	15,749
Fort Nelson Gas Ltd.	1,338
Hemlock Valley Electrical Services Limited	113
Inland Natural Gas Co. Ltd.	107,307
ICG Utilities (British Columbia) Ltd.	7,676
Northland Utilities (B.C.) Limited	4,596
Pacific Northern Gas Ltd.	63,129
Princeton Light & Power Company Limited	1,902
Sunshine Valley Utilities Ltd.	24
Squamish Gas Co. Ltd.	1,031
West Kootenay Power Ltd.	52,560
Yukon Electric Co. Ltd.	80
	$2,025,395

APPENDIX IX

SUMMARY OF COMPLAINTS RECEIVED IN 1988 FROM UTILITY CUSTOMERS

Inquiries from Utility Customers concerning Billing, Payment Requirements, etc.

An important aspect of the Commission's mandate is to apply regulation in a manner that reflects fair, consistent and clearly enunciated standards. The Commission is available to assist members of the public in dealings with regulated utilities so that problems are handled in a prompt, helpful and efficient manner.

Most complaints/enquiries are resolved through discussion with the complainant and utility. Where there is no resolution, the Commission, under Section 93 of the Utilities Commission Act, can appoint a Commissioner or staff member to investigate and report on the complaint. There were four such investigations made in 1988.

SUMMARY OF COMPLAINTS RECEIVED IN 1988

Utility	Billing	Disconnect No Payment	Security Deposit	Back-Billing	Extension Cost	Misc.	Total
B.C. Hydro	17	13	7	4	4	10	55
Central Heat					1 (Re-Routing)		1
Columbia			2				2
Fort Nelson			1				1
Inland	7	7	4				18
Pacific Northern				2			2
WKP	3	1	1	1	3	2	11
Northland			1			1	2
Sunshine Valley	2						2
TOTAL	29	21	16	7	8	13	94

APPENDIX X

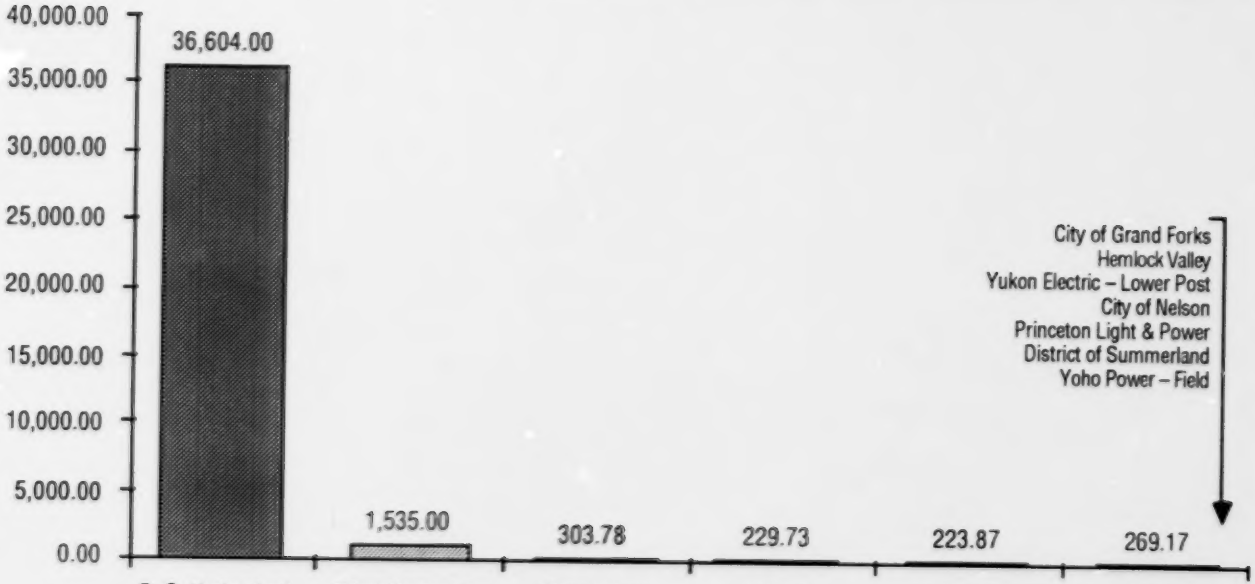
ELECTRIC UTILITIES IN BRITISH COLUMBIA
DOMESTIC ELECTRICITY SALES - 1988

	REVENUE $	SALES (GW.h)
Crown-Owned Electric Utility		
British Columbia Hydro and Power Authority	$1,553,913,000	36,604.00
Municipally-Owned Electric Utilities		
City of Grand Forks	1,040,000	26.45
City of Kelowna	8,581,000	229.73
City of Nelson	4,503,000	119.90
City of New Westminster	14,182,000	303.78
City of Penticton	7,375,000	223.87
District of Summerland	2,173,000	61.16
	37,854,000	964.89
Investor-Owned Electric Utilities		
Hemlock Valley Electrical Services Limited	133,000	1.55
Princeton Light and Power Company, Limited	2,371,000	58.40
West Kootenay Power Ltd.	49,670,000	1,535.00
Yoho Power Ltd.	384,000	1.30
Yukon Electrical Company Limited	88,000	0.41
	52,789,000	1,596.66
TOTAL	$1,644,556,000	39,165.55

NOTES TO APPENDIX X

1. 1 gigawatt hour (GW.h) = 1 million kilowatt hours.
2. All figures reported are on a calendar year basis.
3. Revenues and sales for West Kootenay Power Ltd. and British Columbia Hydro and Power Authority are net of sales to other reporting utilities.

ELECTRICITY SALES VOLUMES WITHIN B.C. 1988 (GW.h)



Customers Served	B. C. Hydro (net of New West., WKPL)	West Kootenay Power & Light (net)	City of New Westminster	City of Kelowna	City of Penticton	Others (7)
Industrial @ 60KV+	83	4	--	--	--	--
Commercial	145,124	6,666	2,000	1,499	1,285	2,346
Residential	1,078,569	55,638	18,900	9,066	10,174	13,545

APPENDIX XI

APPENDIX XII

GAS UTILITIES IN BRITISH COLUMBIA
DOMESTIC GAS SALES - 1988

	REVENUE $	SALES (GJ)
Crown-Owned Gas Utility		
B.C. Hydro/Victoria Gas System (Note 6)	$3,834,000	401,000
Investor-Owned Gas Utilities		
BC Gas Inc. (Note 6)	383,924,000	97,530,000
Columbia Natural Gas Limited	19,246,000	8,283,000
Fort Nelson Gas Ltd.	1,652,000	493,000
ICG Utilities (British Columbia) Ltd.	6,699,000	2,220,000
Inland Natural Gas Co. Ltd. (Note 3)	119,612,000	46,729,000
Northland Utilities (B.C.) Ltd.	5,363,000	1,444,000
Pacific Northern Gas Ltd.	76,063,000	34,092,000
	612,559,000	190,791,000
Investor-Owned L.P. Grid System Utilities		
ICG Utilities - Nanaimo, Port Alice and Whistler Systems	3,551,000	401,000
Squamish Gas Co. Ltd. (includes Granisle Grid System)	1,148,000	233,000
	4,699,000	634,000
TOTAL	$621,092,000	191,826,000

NOTES TO APPENDIX XII

1. 1 gigajoule (GJ) is approximately equivalent to 0.922 Mcf of natural gas or 0.376 Mcf of propane vapour in L.P. gas grid systems.

2. All figures reported are on a calendar year basis.

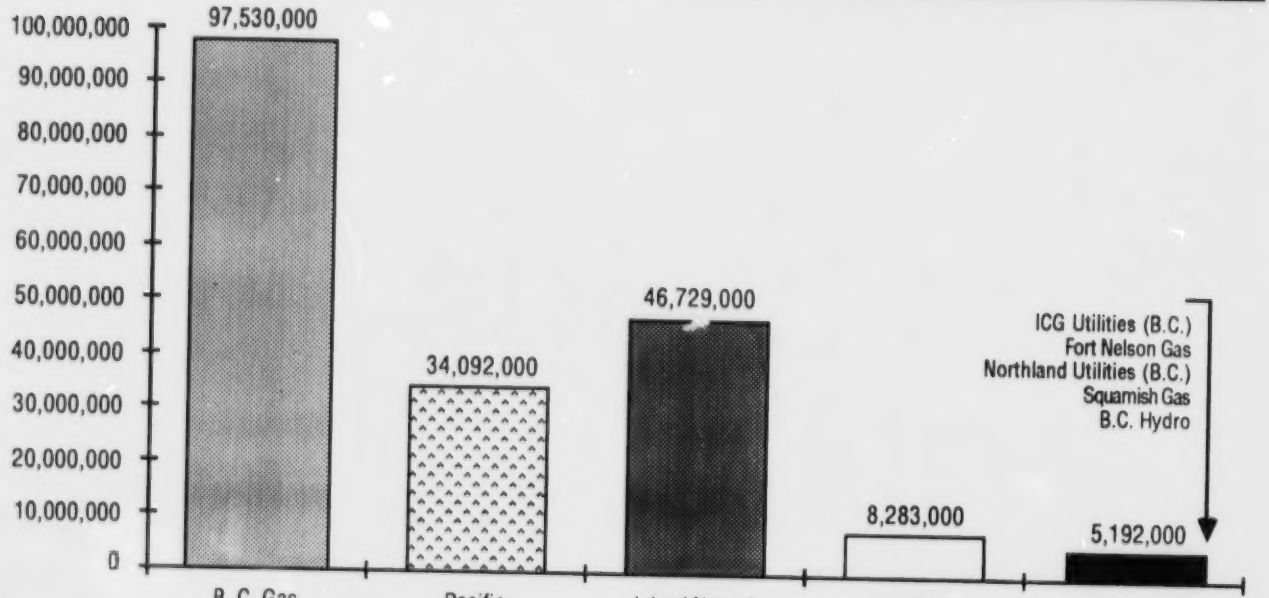
3. Revenues and sales for Inland Natural Gas Co. Ltd. are net of sales to its wholly-owned subsidiary Columbia Natural Gas Limited.

4. Sales of GJ shown include sales to end-use customers plus gas owned by customers and transported to industrial operations.

5. Revenues reported for natural gas utilities include only transportation margins for large industrial customers who have purchased gas supplies directly from producers. Prior to 1987, the sales and revenues were reported as direct sales by utilities.

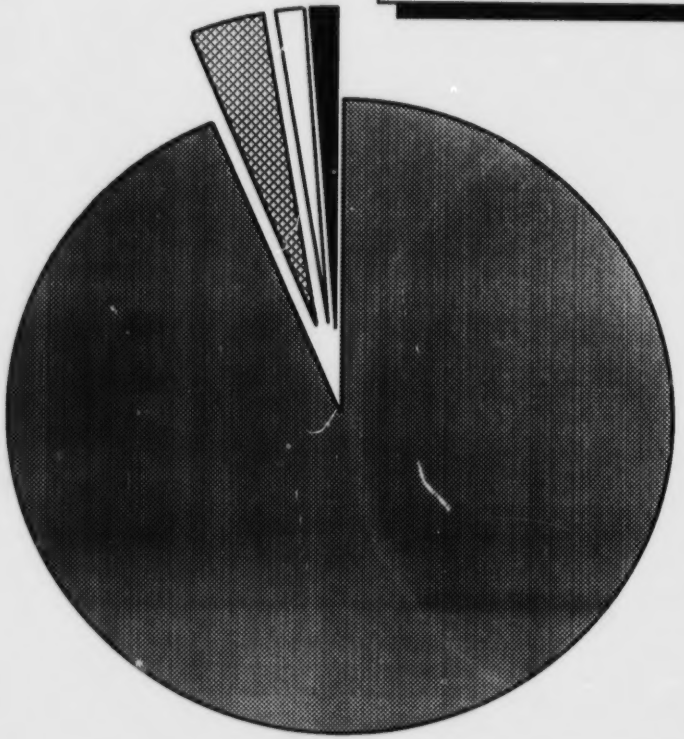
6. The Lower Mainland natural gas system was sold by B.C. Hydro to Inland Natural Gas with an adjustment date effective September 30, 1988. Annual Sales and Revenues for the system are shown as BC Gas Inc.

NATURAL GAS & PROPANE UTILITY SALES (GJ) WITHIN B.C., 1988



Customers Served	B. C. Gas (See note 6, Appendix XII)	Pacific Northern Gas	Inland Natural Gas (net)	Columbia Natural Gas	Others (5)
Industrial	155	31	109	5	10
Commercial	41,854	2,108	14,074	536	3,840
Residential	360,441	10,922	112,578	14,170	16,327

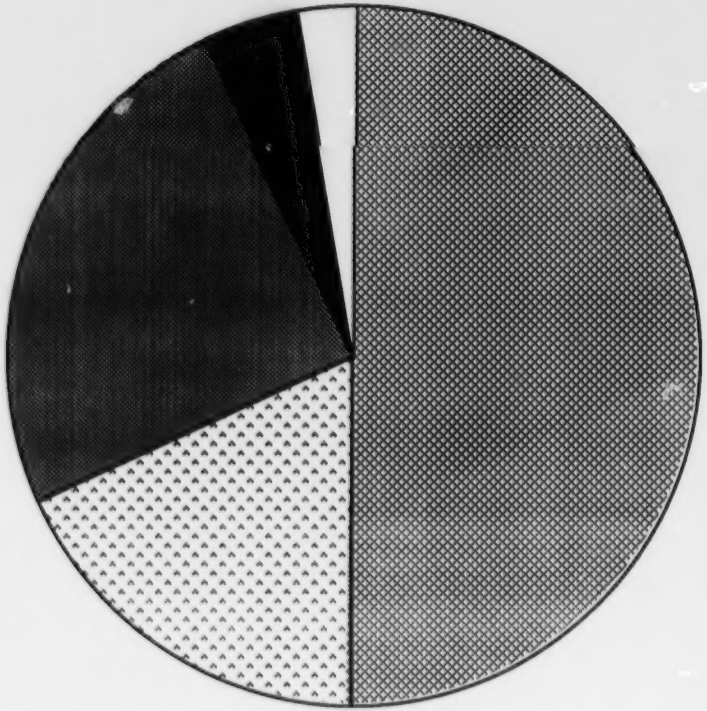
ELECTRICITY SALES VOLUMES WITHIN B.C. 1988 (GW.h)



- B. C. Hydro - 93.44%
- West Kootenay Power & Light - 3.94%
- Cities of Kelowna & Penticton - 1.16%
- Others - 1.46%
  - City of Grand Forks
  - Hemlock Valley
  - Yukon Electric – Lower Post
  - City of Nelson
  - Princeton Light & Power
  - District of Summerland
  - City of New Westminster - .77%
  - Yoho Power – Field

APPENDIX XIV

NATURAL GAS & PROPANE UTILITY SALES (% OF TOTAL GJ) WITHIN B.C. 1988



B. C. Gas - 50.84%
(See Note 6, Appendix XII)

Pacific Northern Gas - 17.77%

Inland Natural Gas - 24.36%

Columbia Natural Gas - 4.32%

Others - 2.71%

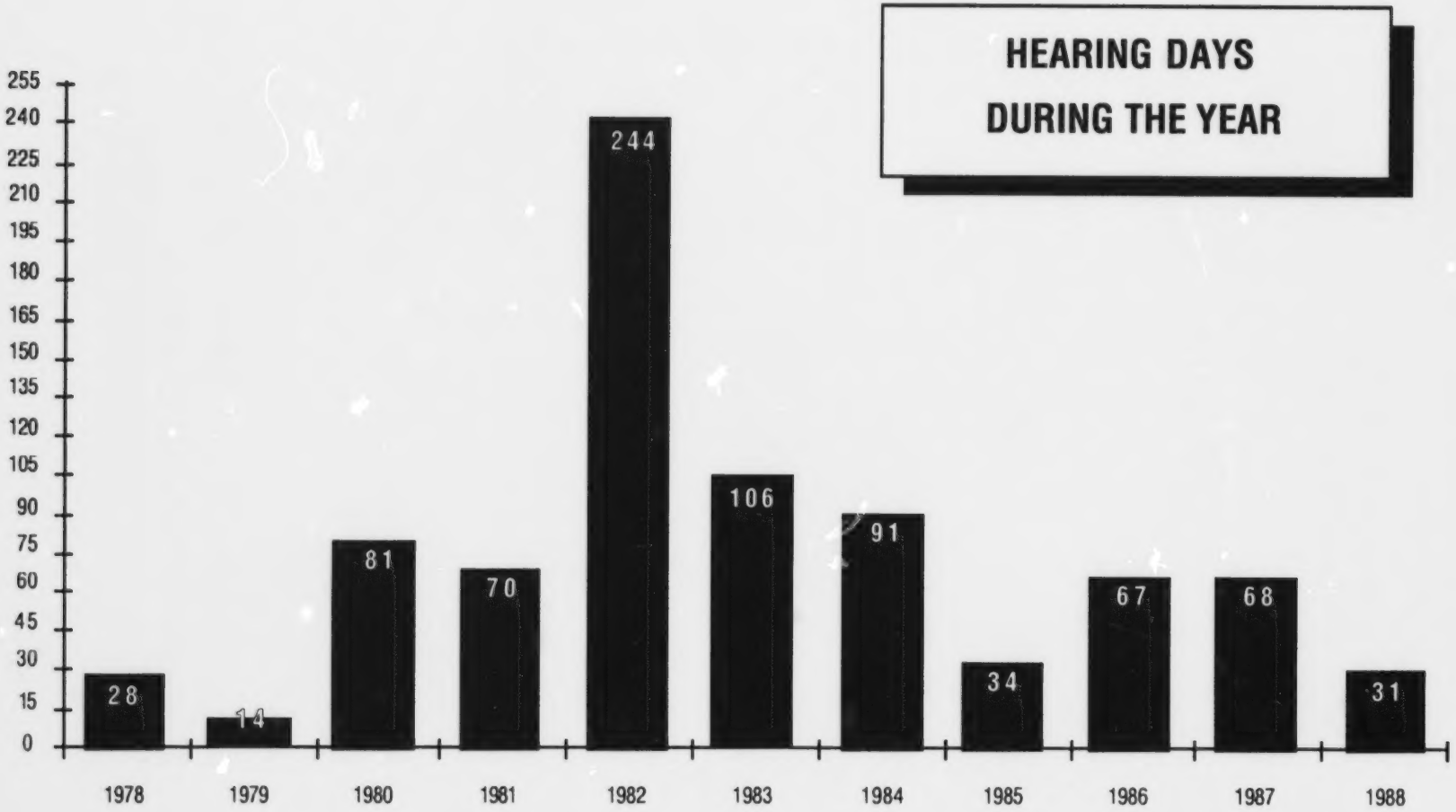
ICG Utilities (B.C.)
Fort Nelson Gas
Northland Utilities (B.C.)
Squamish Gas
B.C. Hydro (Victoria)

APPENDIX XV

APPENDIX XVI

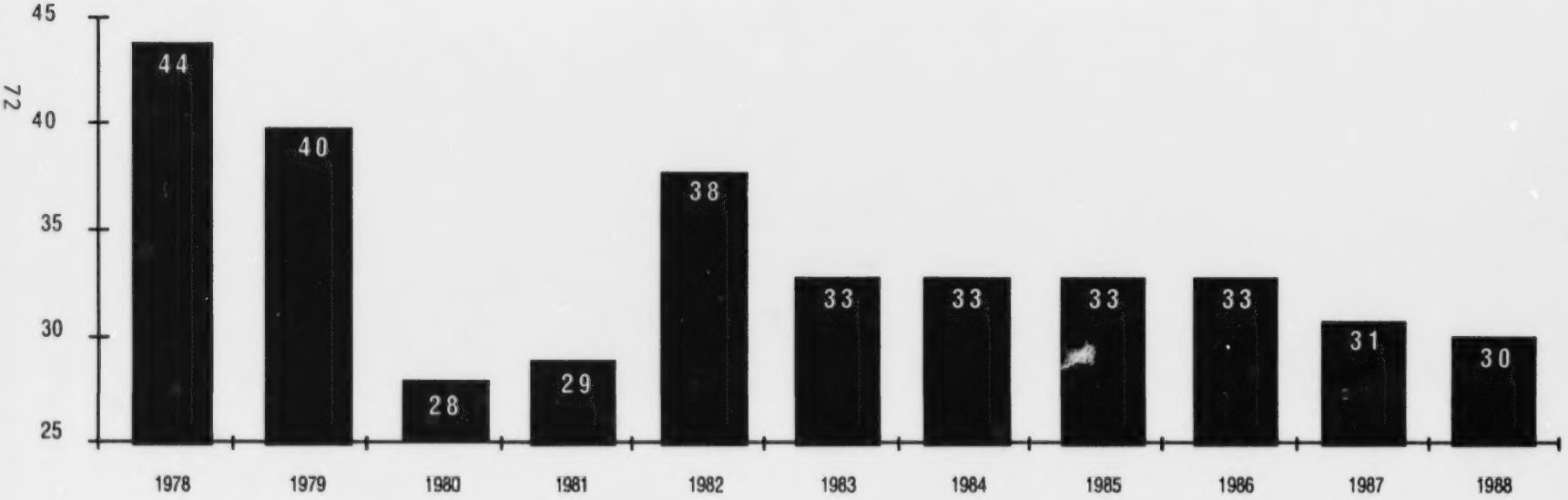
SUMMARY OF HEARING DAYS IN 1988

Date	Applicant	Type of Application	Locations	# of Days	# of Trans. Pages
Feb 9	Central Heat Distribution Limited	Rate	Vancouver	1	198
Feb 23	Columbia Natural Gas Limited Fording Coal Limited	Rate Design Complaint	Cranbrook/ Vancouver	8	1512
May 19	Yoho Power Ltd.	Certificate Grid Connection	Field, B.C.	1	343
July 26	Northand Utilities (B.C.) Limited	Rate	Tumbler Ridge	1	84
Nov 22	West Kootenay Power Ltd.	Certificate Gas Turbine	Oliver	14	2605
Nov 29	Regional District of Mount Waddington	Complaint	Vancouver	2	232
Dec 16	National Fuel Corp.	Complaint	Vancouver	4	--
TOTALS				31	4974



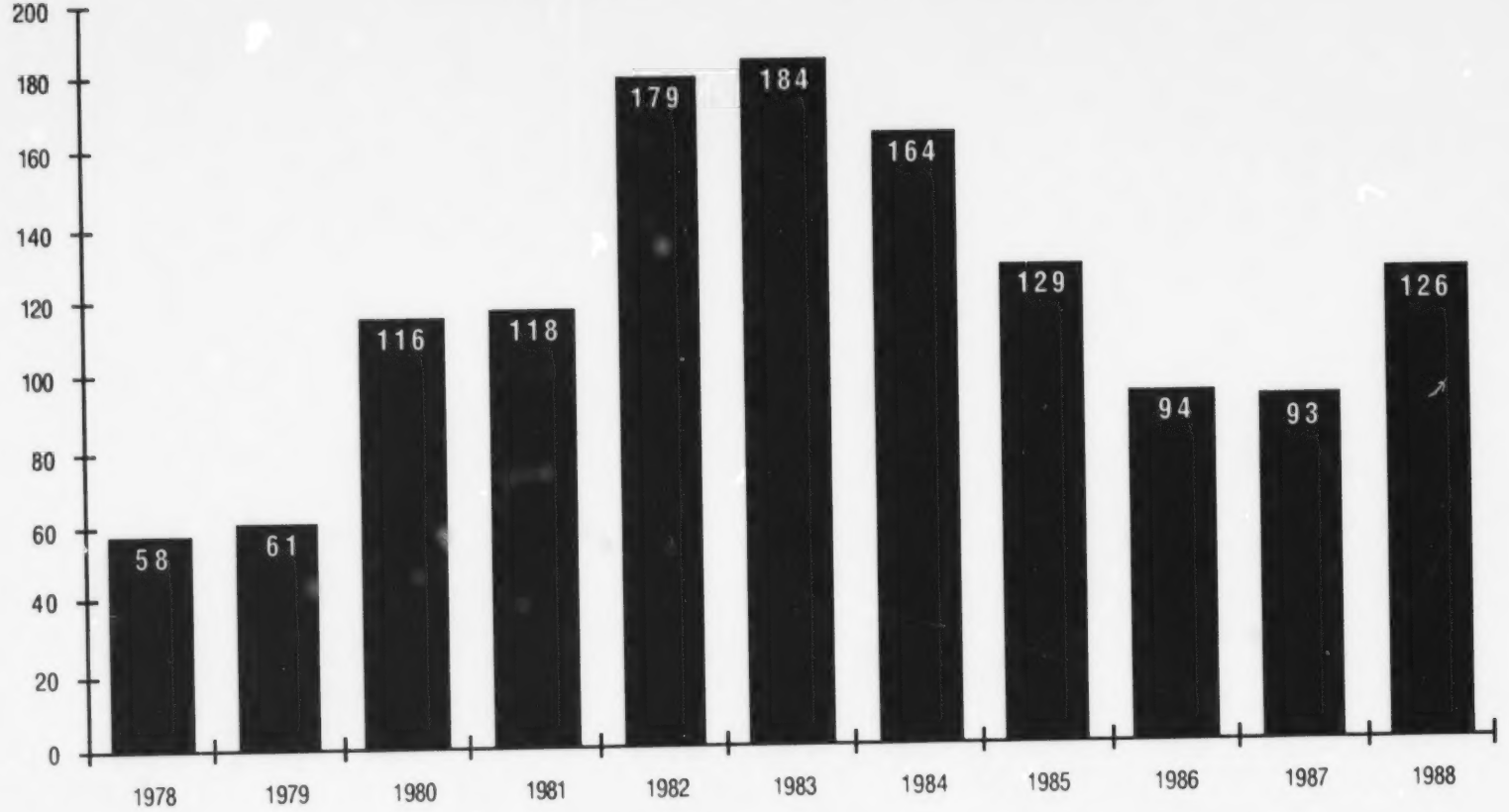
APPENDIX XVI

STAFFING LEVEL

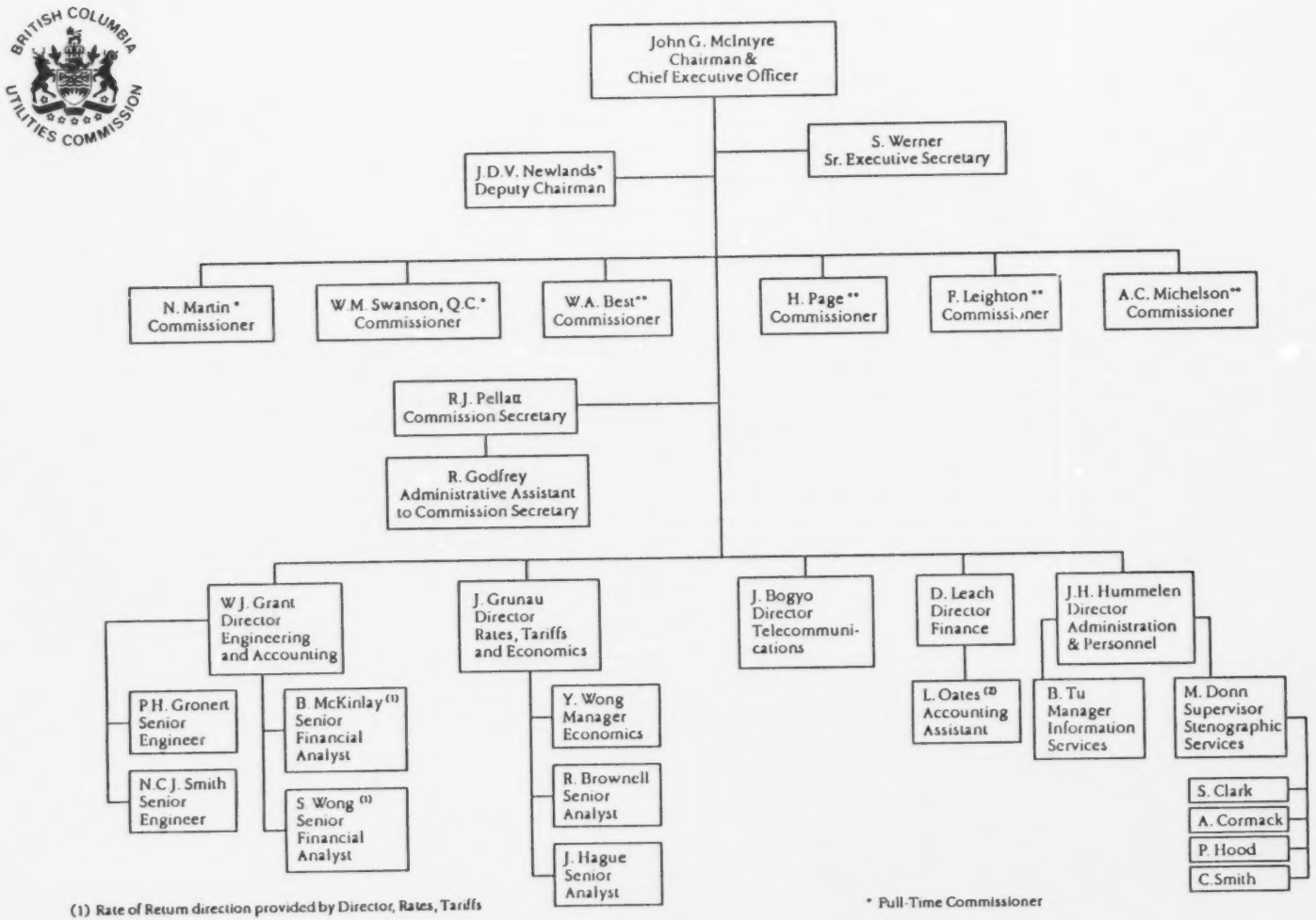


APPENDIX XVII

ORDERS ISSUED DURING YEAR



APPENDIX XVIII



(1) Rate of Return direction provided by Director, Rates, Tariffs and Economics
(2) Permanent Part-time Employee
December 31, 1988

* Full-Time Commissioner

** Temporary Commissioner

APPENDIX XIX

BRITISH COLUMBIA UTILITIES COMMISSION

Office - Fourth Floor, 800 Smithe Street, Vancouver, British Columbia, Canada V6Z 2E1, Area Code (604) 660-4700; Telecopier (604) 660-1102.

Commissioners are appointed and serve at pleasure.

COMMISSIONERS

John G. McIntyre, Chairman: Concordia University in Montreal (Loyola College) (BA); Shell Canada (33 years) retiring in 1984 as Western Marketing Region Manager, Manager of Corporate Affairs for Genstar Corporation (1984-86), currently Chairman of Canadian Association of Members of Public Utility Tribunals (CAMPUT), past Director and President of B.C. Petroleum and Prairie Petroleum Associations; appointed Chairman November 2, 1987.

J. David V. Newlands, Deputy Chairman: Appleby College, MacMaster University (Economics and Business); TransCanada Pipelines Ltd.; British Columbia Energy Commission, Assistant Director, Utility Regulation (1973-1974), Director, Utility Regulation (1974-1978), Executive Director (1978-1980), Commissioner (1980-1982), Deputy Chairman (1982-), Secretary of Canadian Association of Members of Public Utility Tribunals (CAMPUT), Member of the Electrical Committee of the National Association of Regulatory Utility Commissioners of the United States of America.

Norris Martin, Commissioner: University of British Columbia (B.Comm., MBA), Transportation Executive; named temporary commissioner (September 23, 1982 - January 1, 1988); named Commissioner January 2, 1988.

W. Milton Swanson, Q.C., Commissioner: University of British Columbia (LLB), Barrister and Solicitor (28 years) Lawrence & Shaw, Vancouver; named Commissioner August 2, 1988.

William A. Best, Temporary Commissioner: University of British Columbia (Electrical Engineering) formerly with the B.C. Power Commission and B.C. Hydro and Power Authority from 1958 to 1988, serving as Vice-President in various capacities from 1975 to 1986; named Commissioner November 10, 1988.

Harold J. Page, Temporary Commissioner: University of British Columbia (BASc.), University of Victoria (Honourary Doctor of Engineering), Professional Engineer, Provincial Assistant Deputy Minister, Communications; Chief Engineer of the Public Utilities Commission of British Columbia; named Commissioner October 1987.

Frank C. Leighton, Temporary Commissioner: professional engineer, employed by Swan Wooster Engineering Companies in Vancouver as Project Manager, Vice-President of Planning, President of Swan Wooster International, and Vice-Chairman of Swan Wooster Engineering (1951-84), private practice; named Commissioner October 1987.

A.C. Michelson, Temporary Commissioner: Secretary of B.C. Utilities Commission (1981-88); named Commissioner January 1988.

KEY STAFF

Robert J. Pellatt, Commission Secretary

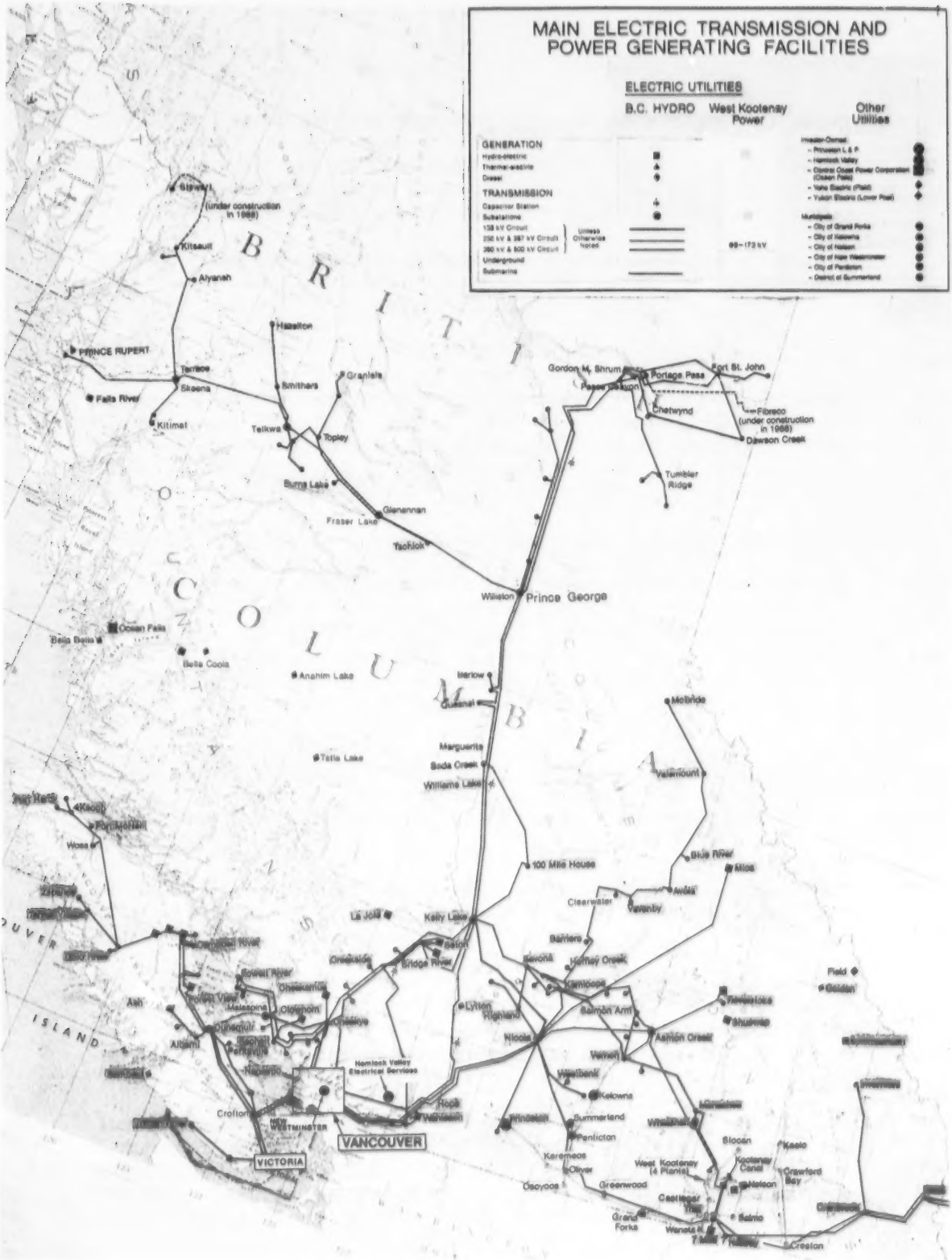
William J. Grant, Director, Engineering and Accounting

John Grunau, Director, Economics, Rate Design and Tariffs

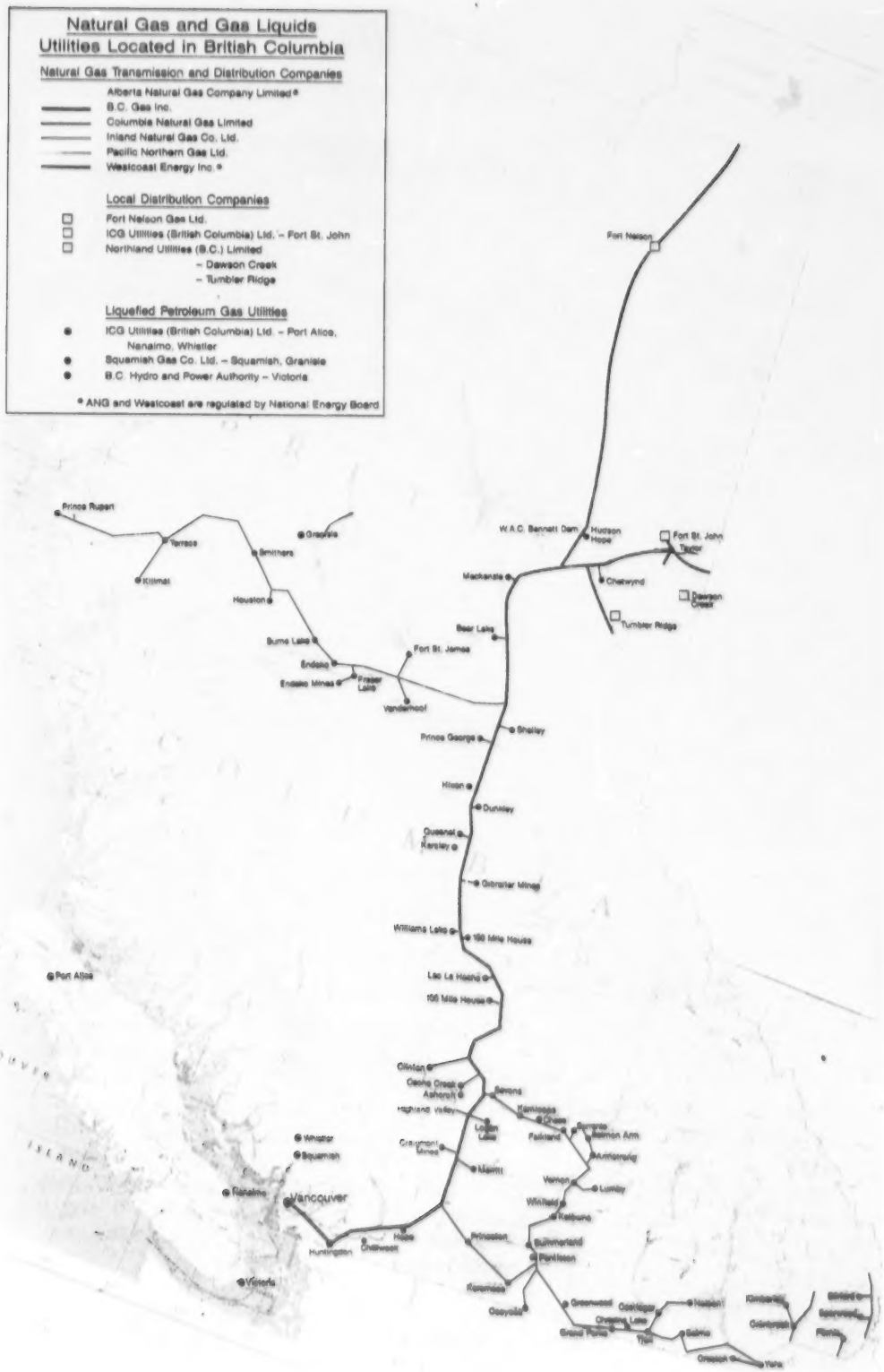
Derek Leach, Director, Finance

James H. Hummelen, Director, Administration and Personnel

APPENDIX XX


MAIN ELECTRIC TRANSMISSION AND POWER GENERATING FACILITIES
ELECTRIC UTILITIES
B.C. HYDRO
West Kootenay Power
Other Utilities
GENERATION
Hydro-electric
Thermal-electric
Diesel
TRANSMISSION
Capacitor Station
Substations
138 kV Circuit
230 kV & 287 kV Circuit
360 kV & 500 kV Circuit
Underground
Submarine
Unless Otherwise Noted
69-173 kV
Investor-Owned
- Princeton L & P
- Hemlock Valley
- Central Coast Power Corporation (Ocean Falls)
- Yoho Electric (Field)
- Yukon Electric (Lower Post)
Municipals
- City of Grand Forks
- City of Kelowna
- City of Nelson
- City of New Westminster
- City of Penticton
- District of Summerland
BRITISH COLUMBIA
Stewart
(under construction in 1988)
Kitsault
Alyanah
PRINCE RUPERT
Terrace
Skeena
Falls River
Kitimat
Hazelton
Smithers
Granisle
Telkwa
Topley
Burns Lake
Glenannan
Fraser Lake
Tachick
Williston
Prince George
Gordon M. Shrum
Peace Canyon
Portage Pass
Fort St. John
Chetwynd
Fibreco (under construction in 1988)
Dawson Creek
Tumbler Ridge
Ocean Falls
Bella Bella
Bella Coola
Anahim Lake
Tatla Lake
Merlow
Quesnel
Marguerite
Soda Creek
Williams Lake
McBride
Valemount
Blue River
Mica
100 Mile House
Avola
Clearwater
Vavenby
Barriere
Heffley Creek
Kamloops
Salmon Arm
Revelstoke
Shuswap
Ashton Creek
Vernon
Westbank
Kelowna
Field
Golden
Princeton
Summerland
Penticton
Keremeos
Oliver
Osoyoos
Greenwood
Grand Forks
West Kootenay (4 Plants)
Slocan
Kaslo
Kootenay Canal
Crawford Bay
Nelson
Castlegar
Trail
Salmo
Creston
Wanetta
Kitwanga
Kispiox
Hazelton
Smithers
Houston
Burns Lake
Vanderhoof
Fort St. James
Fort Nelson
Fort St. John
Dawson Creek
Chetwynd
Tumbler Ridge
Mackenzie
Williston Lake
Prince George
Quesnel
Williams Lake
Kelly Lake
La Jolie
Dunsmuir
Elk River
Campbell River
Oyster River
Courtenay
Comox
Cumberland
Port Alberni
Sproat Lake
Duncan
Nanaimo
Ladysmith
Chemainus
Crofton
Victoria
Vancouver
New Westminster
Hemlock Valley Electrical Services
Roberts
Bridge River
Lytton
Highland
Nicola
Merritt
Coquitlam
Port Coquitlam
Port Moody
Burnaby
Richmond
Delta
Surrey
White Rock
Langley
Abbotsford
Mission
Chilliwack
Agassiz
Hope
Boston Bar
Lillooet
Pemberton
Whistler
Squamish
Powell River
Texada Island
Port Hardy
Alert Bay
Port McNeill
Woss
Zeballos
Gold River
Tahsis
Kyuquot
Ahousat
Tofino
Ucluelet
Port Alberni
Sproat Lake
Ash
Alberni
Parksville
Qualicum
Courtenay
Comox
Campbell River
Oyster River
Cumberland
Nanaimo
Ladysmith
Chemainus
Crofton
Duncan
Victoria
Sooke
Port Renfrew
Cowichan Lake
Lake Cowichan
Youbou
Mill Bay
Shawnigan Lake
Malahat
Sidney
Saltspring Island
Galiano Island
Mayne Island
Pender Islands
Saturna Island
Gabriola Island
Nanoose
Parksville
Qualicum
Courtenay
Comox
Campbell River
Oyster River
Cumberland
Port Alberni
Sproat Lake
Ash
Alberni
Parksville
Qualicum
Courtenay
Comox
Campbell River
Oyster River
Cumberland
Nanaimo
Ladysmith
Chemainus
Crofton
Duncan
Victoria
Sooke
Port Renfrew
Cowichan Lake
Lake Cowichan
Youbou
Mill Bay
Shawnigan Lake
Malahat
Sidney
Saltspring Island
Galiano Island
Mayne Island
Pender Islands
Saturna Island
Gabriola Island
Nanoose

APPENDIX XXI



APPENDIX XXII

APPROXIMATE ENERGY CONVERSION FACTORS

Fuel Type	Conversion Factors Original Measure		Terajoules
Coal	1 kilotonne	=	29.53
Coke	1 kilotonne	=	28.83
Petroleum Coke	1 megalitre	=	42.38
Coke Oven Gas	1 gigalitre	=	18.61
Natural Gas	1 gigalitre	=	38.35
Crude Oil	1 megalitre	=	38.51
Motor Gasoline	1 megalitre	=	34.66
Diesel Fuel Oil	1 megalitre	=	38.67
Light Fuel Oil	1 megalitre	=	38.67
Heavy Fuel Oil	1 megalitre	=	41.73
Aviation Gasoline	1 megalitre	=	33.52
Aviation Turbo Fuel	1 megalitre	=	35.93
Kerosene/Stove Oil	1 megalitre	=	37.68
Still Gas	1 megalitre	=	41.73
Gas Plant LPG's	1 megalitre	=	27.18
Refinery LPG's	1 megalitre	=	27.18
Propane	1 megalitre	=	25.50
Butane	1 megalitre	=	28.60
Hydro-Electricity	1 gigawatt hour	=	3.60
Thermal Electricity	1 gigawatt hour	=	3.60
Non-Energy Projects	1 megalitre	=	42.06
Hog Fuel	1 megalitre SWE*	=	7.69 - 9.10

(*SWE = Solid Wood Equivalent)

Kilo	=	10^3	1 megalitre = 1000 cubic metres
mega	=	10^6	1 Btu = 1054.615 joules
giga	=	10^9	1 barrel = 0.15891 cubic meters
tera	=	10^{12}	1 cubic foot = 0.02832784 cubic metres
peta	=	10^{15}	1 gallon = 4.54609 litres
			1 cubic foot of natural gas = 1030 Btu's

APPENDIX XXIII

METRIC CONVERSION TABLE

The following conversion table is provided for the convenience of readers who may be more familiar with the Imperial System.

Approximate Conversion Factor

1 metre (m)	=	3.28	feet
1 kilometre (km)	=	0.62	mile
1 millimetre (mm)	=	0.039	inch
1 cubic metre (m^3) of oil	=	6.3	barrels
1 cubic metre (m^3) of natural gas	=	35.3	cubic feet
1 litre (L)	=	0.22	gallon
1 kilogram (kg)	=	2.20	pounds
1 gigajoule (gJ)	=	0.95	MMBtu, or
		0.95	thousand cubic feet (Mcf) of natural gas at 1000 Btu/cf

Abbreviations

gigajoule (gJ)	=	10^9	J
terajoule (tJ)	=	10^{12}	J
petajoule (pJ)	=	10^{15}	J
exajoule (eJ)	=	10^{18}	J
kilowatt (kW)	=	10^3	watts
megawatt (MW)	=	10^3	kW
megawatt hour (MW.h)	=	10^3	kW.h
gigawatt hour (GW.h)	=	10^6	kW.h
terawatt hour (tW.h)	=	10^9	kW.h